

# ColorSource Spot Photometry Guide

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ColorSource Series



ColorSource Spot

ColorSource Spot - Fresnel Adapter

ColorSource Spot Deep Blue

ColorSource Spot Deep Blue - Fresnel Adapter

ColorSource Spot Pearl

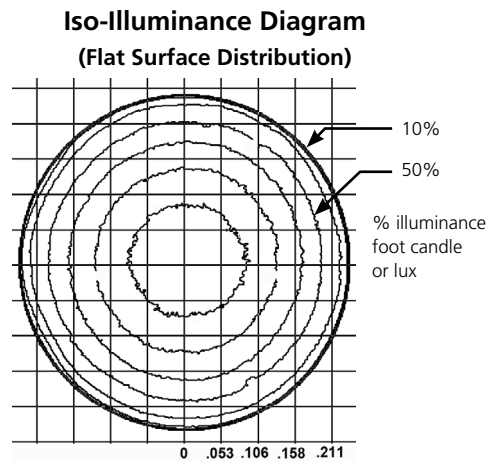


## Throw Distance Multiplier (TDM)

To determine the distance from the center of the beam (Origin) to a certain illuminance level at a particular distance, multiply the desired throw distance by the TDM desired on the Iso-Illuminance diagram.

Throw Distance (TD) x Throw Distance Multiplier (TDM) = Distance from the Origin (DfO) (distance from the center of the beam)

Example: 25 feet (TD) x 0.047 (TDM) = 1.175 feet from center of beam (DfO)



## TABLE OF CONTENTS

**COLORSOURCE SPOT**

5°	4
10°	4
14°	5
19° EDLT	5
19°	6
26° EDLT	6
26°	7
36° EDLT	7
36°	8
50° EDLT	8
50°	9
70°	9
90°	10
15-30° Zoom Narrow	10
15-30° Zoom Mid	11
15-30° Zoom Wide	11
25-50° Zoom Narrow	12
25-50° Zoom Mid	12
25-50° Zoom Wide	13

**COLORSOURCE SPOT WITH FRESNEL ADAPTER**

ColorSource Spot with Fresnel adapter - Spot	14
ColorSource Spot with Fresnel adapter - Mid	14
ColorSource Spot with Fresnel adapter - Flood	15

**COLORSOURCE SPOT DEEP BLUE**

5°	16
10°	16
14°	17
19° EDLT	17
19°	18
26° EDLT	18
26°	19
36° EDLT	19
36°	20
50° EDLT	20
50°	21
70°	21
90°	22
15-30° Zoom Narrow	22
15-30° Zoom Mid	23
15-30° Zoom Wide	23
25-50° Zoom Narrow	24
25-50° Zoom Mid	24
25-50° Zoom Wide	25

**COLORSOURCE SPOT DEEP BLUE WITH FRESNEL ADAPTER**

ColorSource Spot Deep Blue with Fresnel adapter - Spot	26
ColorSource Spot Deep Blue with Fresnel adapter - Mid	26
ColorSource Spot Deep Blue with Fresnel adapter - Flood	27

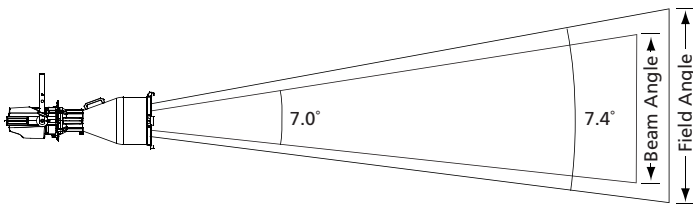
**COLORSOURCE SPOT PEARL**

5°	28
10°	28
14°	29
19° EDLT	29
26° EDLT	30
36° EDLT	30
50° LT	31
70°	31
90°	32
15-30° Zoom Narrow	32
15-30° Zoom Mid	33
15-30° Zoom Wide	33
25-50° Zoom Narrow	34
25-50° Zoom Mid	34
25-50° Zoom Wide	35

ColorSource Spot 5°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	5°	581,818	5,020	4,810	168	29.9
At 3200 K	5°	480,118	4,143	3,969	111	37.3
At 5600 K	5°	541,269	4,670	4,474	143	32.7

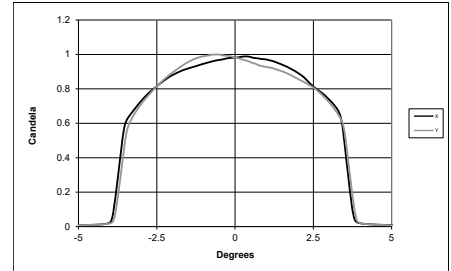
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



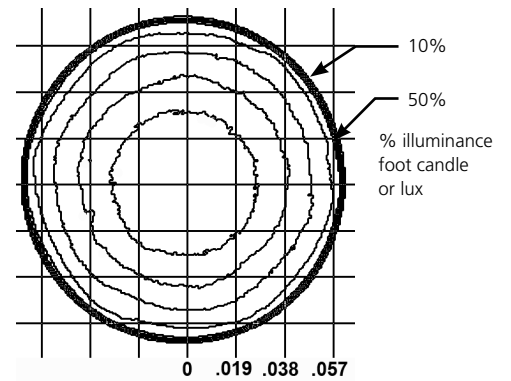
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	762.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	232.5 m
Field Diameter	1.3 ft	1.9 ft	2.6 ft	3.9 ft	-
	0.4 m	0.6 m	0.8 m	1.2 m	
Illuminance (fc)	5,818	2,586	1,455	646.5	1
Illuminance (lux)	62,626	27,834	15,657	6,958	10.76

For field diameter at any distance, multiply distance by 0.129.  
For beam diameter at any distance, multiply by 0.122.

Candela Plot



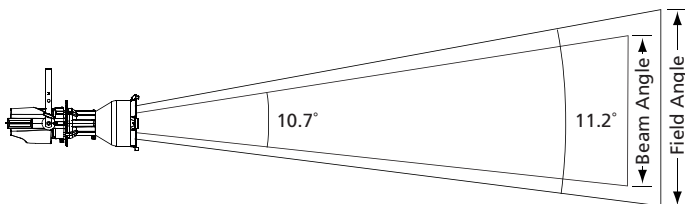
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 10°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	10°	298,547	5,429	4,981	168	32.2
Regulated 3200 K	10°	246,362	4,480	4,110	111	40.4
Regulated 5600 K	10°	277,740	5,050	4,634	143	35.3

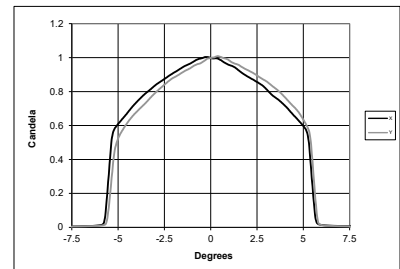
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



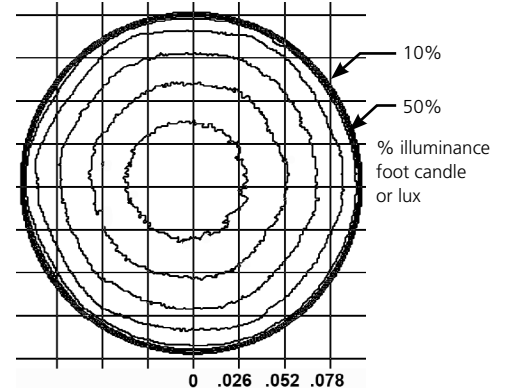
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	546.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	166.5 m
Field Diameter	2.0 ft	2.9 ft	3.9 ft	5.9 ft	-
	0.6 m	0.9 m	1.2 m	1.8 m	
Illuminance (fc)	2,985	1,327	746	331.7	1
Illuminance (lux)	32,135	14,282	8,034	3,571	10.76

For field diameter at any distance, multiply distance by 0.196.  
For beam diameter at any distance, multiply by 0.187.

Candela Plot



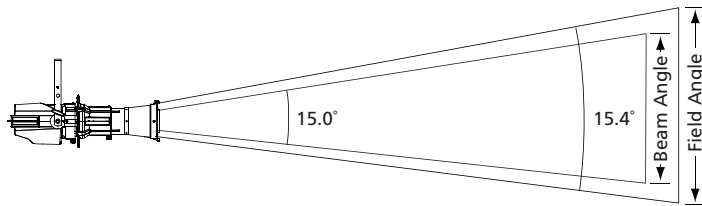
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 14°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	14°	161,705	6,173	5,950	168	36.7
At 3200 K	14°	133,440	5,094	4,910	111	45.9
At 5600 K	14°	150,436	5,743	5,535	143	40.2

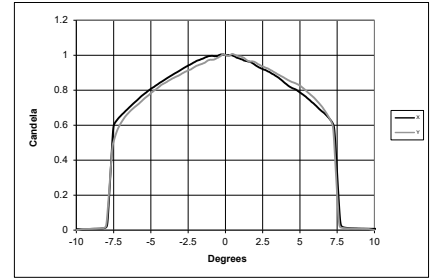
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



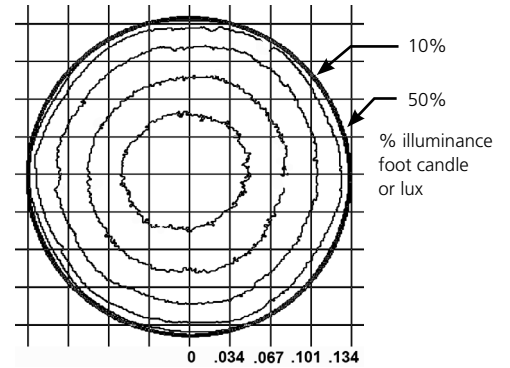
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	402.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	122.6 m
Field Diameter	2.7 ft	4.1 ft	5.4 ft	8.1 ft	-
	0.8 m	1.2 m	1.6 m	2.5 m	-
Illuminance (fc)	1,617	719	404	179.7	1
Illuminance (lux)	17,406	7,736	4,351	1,934	10.76

For field diameter at any distance, multiply distance by 0.270.  
For beam diameter at any distance, multiply by 0.263.

Candela Plot



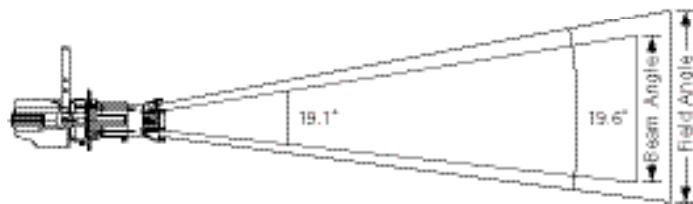
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 19° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	19°	101,288	6,155	5,840	168	36.6
At 3200 K	19°	83,583	5,079	4,819	111	45.8
At 5600 K	19°	94,229	5,726	5,433	143	40.0

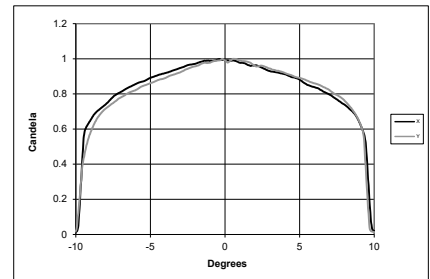
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



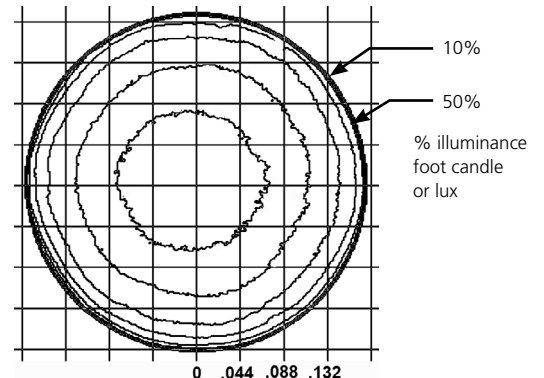
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	318.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	97.0 m
Field Diameter	3.5 ft	5.2 ft	6.9 ft	10.4 ft	-
	1.1 m	1.6 m	2.1 m	3.2 m	-
Illuminance (fc)	1,013	450	253	112.5	1
Illuminance (lux)	10,903	4,846	2,726	1,211	10.76

For field diameter at any distance, multiply distance by 0.345.  
For beam diameter at any distance, multiply by 0.336.

Candela Plot



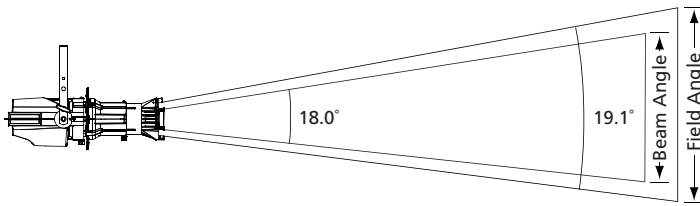
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	19°	96,803	5,426	4,946	168	32.3
At 3200 K	19°	79,882	4,478	4,081	111	40.3
At 5600 K	19°	90,057	5,048	4,601	143	35.3

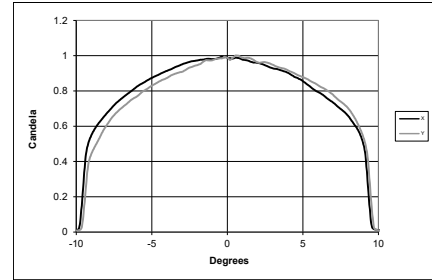
Metric Conversions: For Meters multiply feet by 0.3048.  
For Lux multiply footcandles by 10.76.



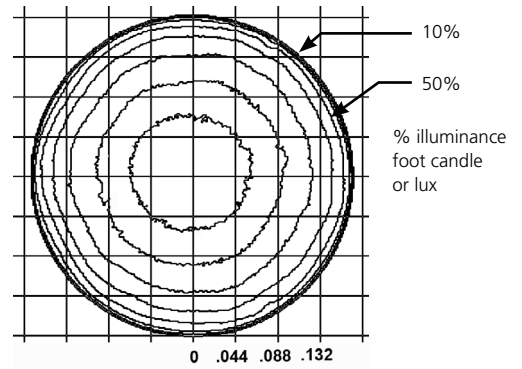
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	311.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	94.8 m
Field Diameter	3.4 ft	5.0 ft	6.7 ft	10.1 ft	-
	1.0 m	1.5 m	2.1 m	3.1 m	-
Illuminance (fc)	968	430	242	107.6	1
Illuminance (lux)	10,420	4,631	2,605	1,158	10.76

For field diameter at any distance, multiply distance by 0.336.  
For beam diameter at any distance, multiply by 0.317.

Candela Plot



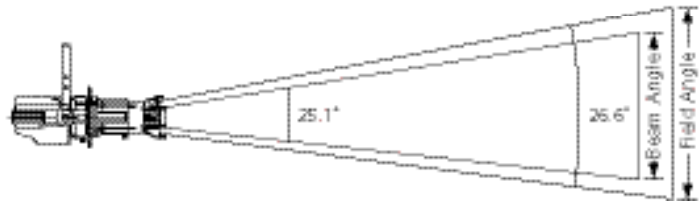
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 26° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	26°	63,210	6,932	6,050	168	41.3
At 3200 K	26°	51,359	5,728	5,063	111	51.6
At 5600 K	26°	58,780	6,444	5,635	143	45.1

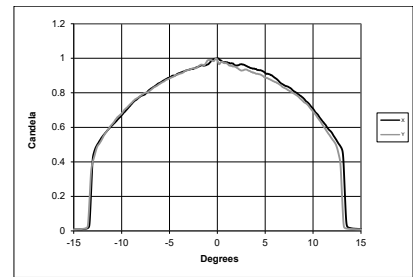
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



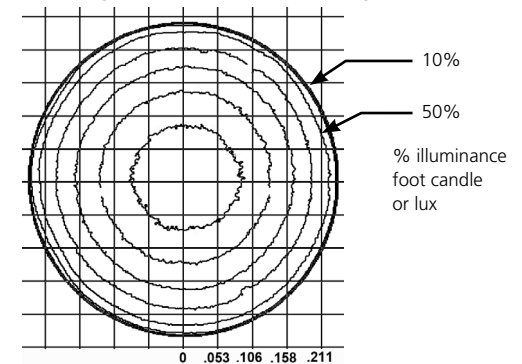
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	251.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	76.6 m
Field Diameter	4.7 ft	7.1 ft	9.5 ft	14.2 ft	-
	1.4 m	2.2 m	2.9 m	4.3 m	-
Illuminance (fc)	632	281	158	70.2	1
Illuminance (lux)	6,804	3,024	1,701	756	10.76

For field diameter at any distance, multiply distance by 0.473.  
For beam diameter at any distance, multiply by 0.445.

Candela Plot



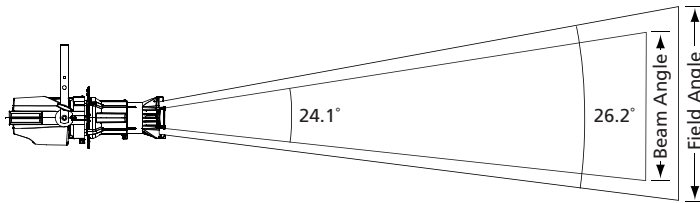
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 26°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	26°	58,852	5,543	4,443	168	33.0
At 3200 K	26°	48,565	4,574	3,666	111	41.2
At 5600 K	26°	54,750	5,157	4,133	143	36.1

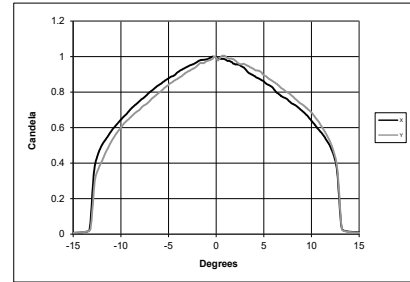
Metric Conversions: For Meters multiply feet by 0.3048.  
For Lux multiply footcandles by 10.76.



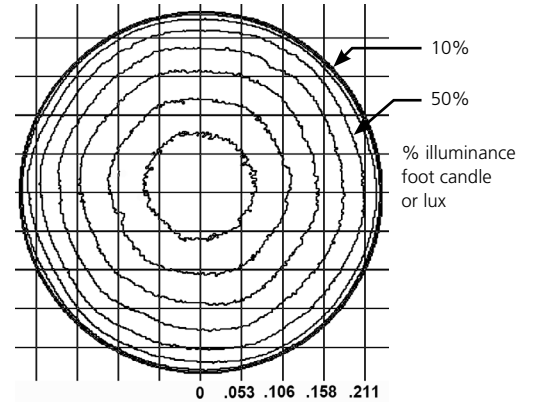
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	242.6 ft
	3.0 m	4.6 m	6.1 m	9.1 m	73.9 m
Field Diameter	4.7 ft	7.0 ft	9.3 ft	14.0 ft	-
	1.4 m	2.1 m	2.8 m	4.3 m	-
Illuminance (fc)	589	262	147	65.4	1
Illuminance (lux)	6,335	2,815	1,584	704	10.76

For field diameter at any distance, multiply distance by 0.465.  
For beam diameter at any distance, multiply by 0.427.

Candela Plot



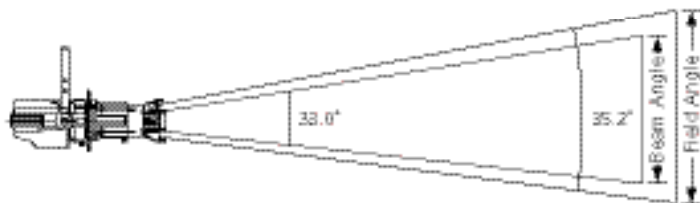
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 36° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	36°	37,212	6,919	5,741	168	41.2
At 3200 K	36°	30,707	5,710	4,737	111	51.4
At 5600 K	36°	34,618	6,437	5,340	143	45.0

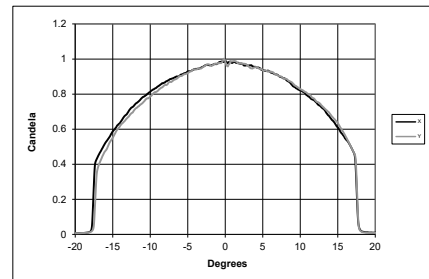
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



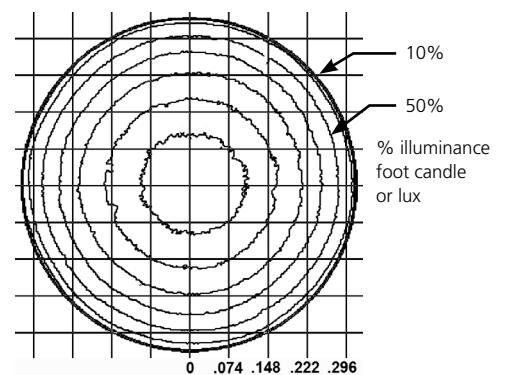
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	192.9 ft
	3.0 m	4.6 m	6.1 m	9.1 m	58.8 m
Field Diameter	6.3 ft	9.5 ft	12.7 ft	19.0 ft	-
	1.9 m	2.9 m	3.9 m	5.8 m	-
Illuminance (fc)	372	165	93	41.3	1
Illuminance (lux)	4,005	1,780	1,001	445	10.76

For field diameter at any distance, multiply distance by 0.634.  
For beam diameter at any distance, multiply by 0.592.

Candela Plot



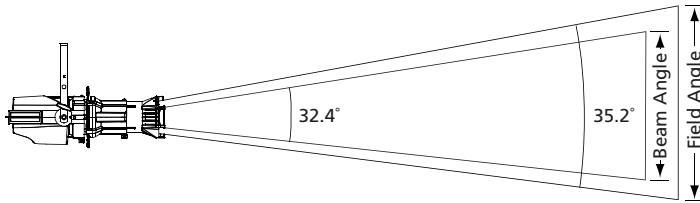
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 36°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	36°	35,170	6,680	5,541	168	39.8
At 3200 K	36°	29,022	5,513	4,572	111	49.7
At 5600 K	36°	32,719	6,215	5,154	143	43.5

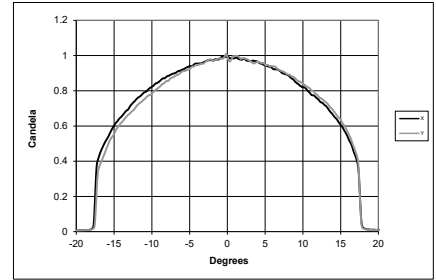
Metric Conversions: For Meters multiply feet by 0.3048.  
For Lux multiply footcandles by 10.76.



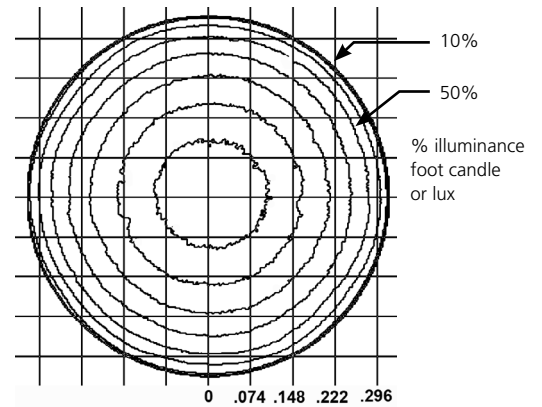
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	187.5 ft
	3.0 m	4.6 m	6.1 m	9.1 m	57.2 m
Field Diameter	6.3 ft	9.5 ft	12.7 ft	19.0 ft	-
	1.9 m	2.9 m	3.9 m	5.8 m	-
Illuminance (fc)	352	156	88	39.1	1
Illuminance (lux)	3,786	1,682	946	421	10.76

For field diameter at any distance, multiply distance by 0.634.  
For beam diameter at any distance, multiply by 0.581.

Candela Plot



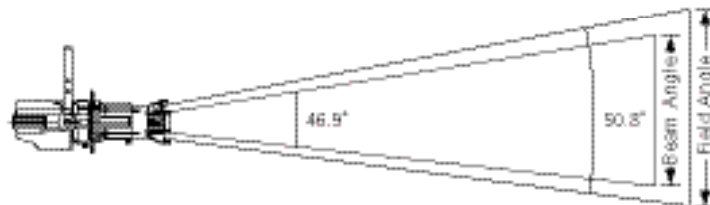
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 50° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	50°	16,939	7,074	5,915	168	42.1
At 3200 K	50°	13,978	5,838	4,881	111	52.6
At 5600 K	50°	15,758	6,581	5,503	143	46.0

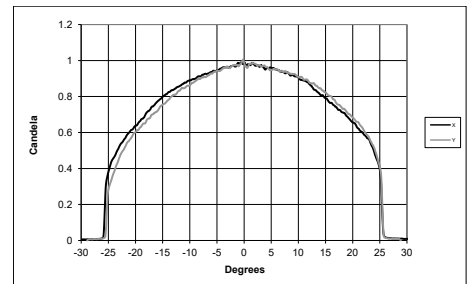
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



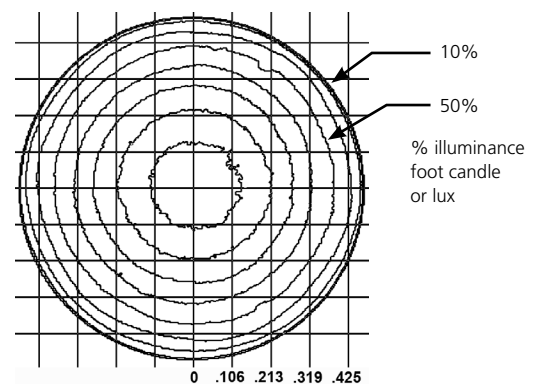
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	130.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	39.7 m
Field Diameter	9.5 ft	14.2 ft	19.0 ft	28.5 ft	-
	2.9 m	4.3 m	5.8 m	8.7 m	-
Illuminance (fc)	169	75	42	18.8	1
Illuminance (lux)	1,823	810	456	203	10.76

For field diameter at any distance, multiply distance by 0.950.  
For beam diameter at any distance, multiply by 0.868.

Candela Plot



Iso-Illuminance Diagram (Flat Surface Distribution)

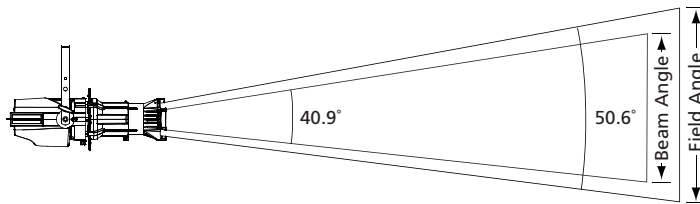




ColorSource Spot 50°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	50°	20,249	6,670	4,445	168	39.7
At 3200 K	50°	16,709	5,504	3,668	111	49.6
At 5600 K	50°	18,838	6,205	4,135	143	43.4

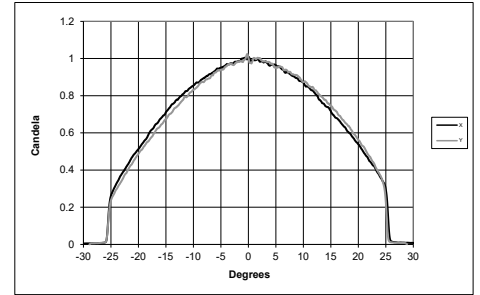
Metric Conversions: For Meters multiply feet by 0.3048.  
For Lux multiply footcandles by 10.76.



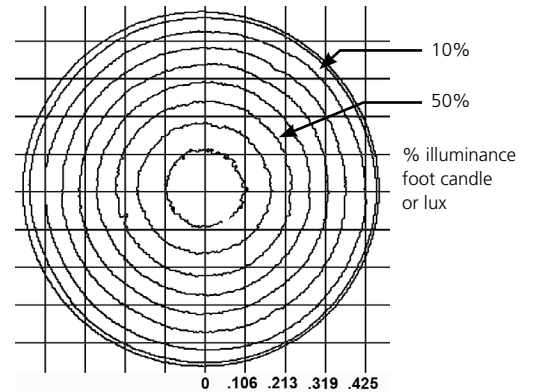
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	142.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	43.4 m
Field Diameter	9.5 ft	14.2 ft	18.9 ft	28.4 ft	-
	2.9 m	4.3 m	5.8 m	8.6 m	-
Illuminance (fc)	202	90	51	22.5	1
Illuminance (lux)	2,180	969	545	242	10.76

For field diameter at any distance, multiply distance by 0.945.  
For beam diameter at any distance, multiply by 0.746.

Candela Plot



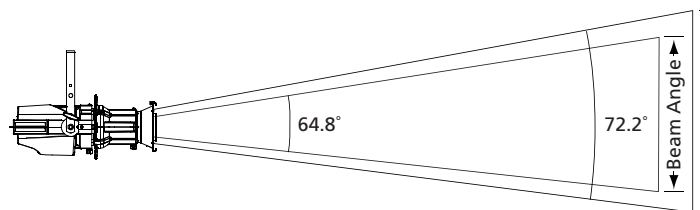
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 70°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	70°	10,616	7,474	4,290	168	44.5
At 3200 K	70°	8,760	6,168	3,540	111	55.6
At 5600 K	70°	9,876	6,953	3,991	143	48.6

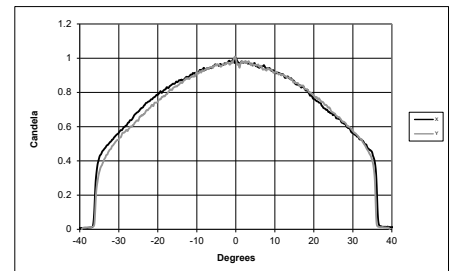
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



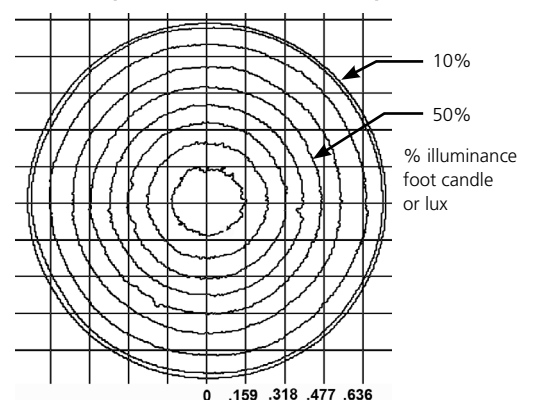
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	103.0 ft
	3.0 m	4.6 m	6.1 m	9.1 m	31.4 m
Field Diameter	14.6 ft	21.9 ft	29.2 ft	43.8 ft	-
	4.4 m	6.7 m	8.9 m	13.3 m	-
Illuminance (fc)	106	47	27	11.8	1
Illuminance (lux)	1,143	508	286	127	10.76

For field diameter at any distance, multiply distance by 1.458.  
For beam diameter at any distance, multiply by 1.269.

Candela Plot



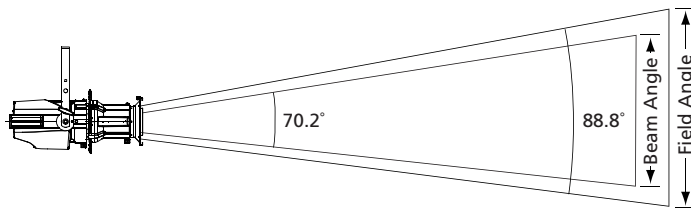
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 90°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	90°	7,733	6,952	3,584	168	41.4
At 3200 K	90°	6,381	5,737	2,957	111	51.7
At 5600 K	90°	7,194	6,467	3,334	143	45.2

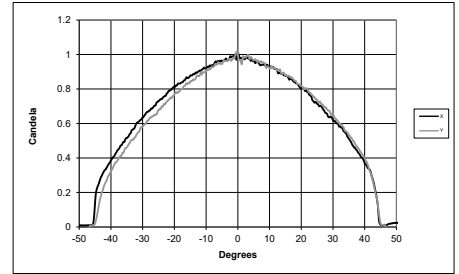
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



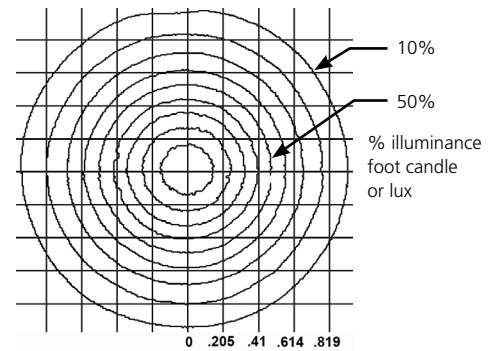
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	87.9 ft
	3.0 m	4.6 m	6.1 m	9.1 m	26.8 m
Field Diameter	19.6 ft	29.4 ft	39.2 ft	58.5 ft	-
	6.0 m	9.0 m	11.9 m	17.9 m	-
Illuminance (fc)	77	34	19	8.6	1
Illuminance (lux)	832	370	208	92	10.76

For field diameter at any distance, multiply distance by 1.959.  
For beam diameter at any distance, multiply by 1.406.

Candela Plot



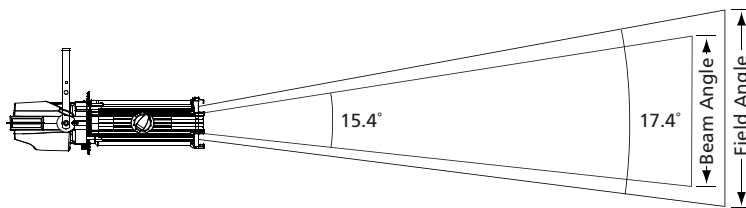
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot 15-30° Zoom Narrow

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	15°	135,950	5,947	4,811	168	35.4
At 3200 K	15°	112,186	4,907	3,970	111	44.2
At 5600 K	15°	126,475	5,533	4,475	143	38.7

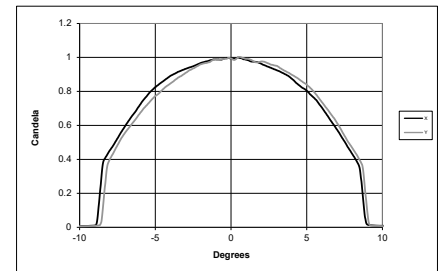
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



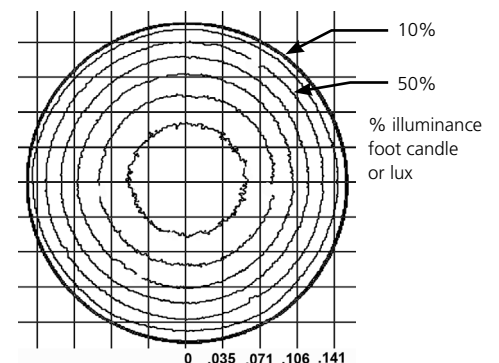
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	368.7 ft
	3.0 m	4.6 m	6.1 m	9.1 m	112.4 m
Field Diameter	3.1 ft	4.6 ft	6.1 ft	9.2 ft	-
	0.9 m	1.4 m	1.9 m	2.8 m	-
Illuminance (fc)	1,359	604	340	151.1	1
Illuminance (lux)	14,633	6,504	3,658	1,626	10.76

For field diameter at any distance, multiply distance by 0.306.  
For beam diameter at any distance, multiply by 0.270.

Candela Plot



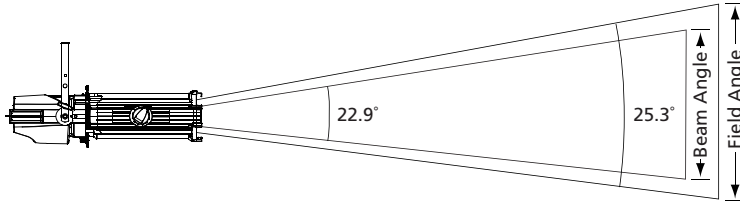
Iso-Illuminance Diagram (Flat Surface Distribution)



### ColorSource Spot 15-30° Zoom Mid

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	23°	72,181	6,464	5,310	168	38.5
At 3200 K	23°	59,564	5,334	4,382	111	48.1
At 5600 K	23°	67,150	6,014	4,940	143	42.1

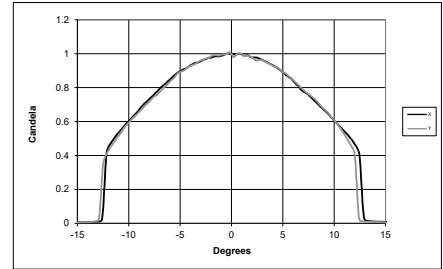
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



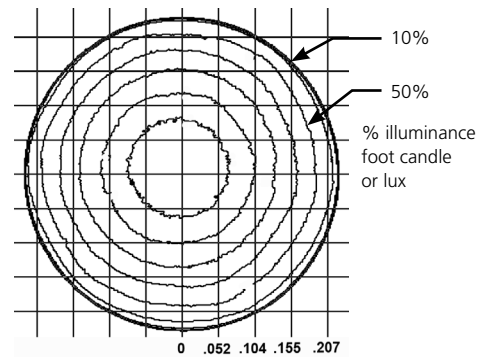
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	268.7 ft
	3.0 m	4.6 m	6.1 m	9.1 m	81.9 m
Field Diameter	4.5 ft	6.7 ft	9.0 ft	13.5 ft	-
	1.4 m	2.1 m	2.7 m	4.1 m	-
Illuminance (fc)	722	321	180	80.2	1
Illuminance (lux)	7,769	3,453	1,942	863	10.76

For field diameter at any distance, multiply distance by 0.449.  
For beam diameter at any distance, multiply by 0.405.

### Candela Plot



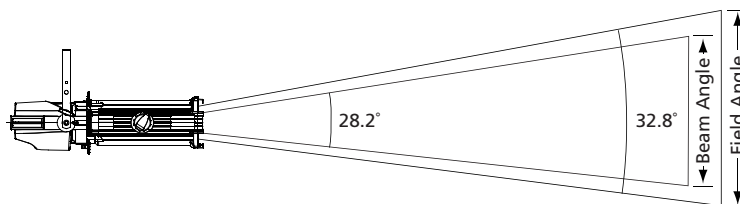
### Iso-Illuminance Diagram (Flat Surface Distribution)



### ColorSource Spot 15-30° Zoom Wide

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	30°	42,015	6,074	3,831	168	36.2
At 3200 K	30°	34,671	5,012	5,650	111	45.2
At 5600 K	30°	39,087	5,650	3,564	143	39.5

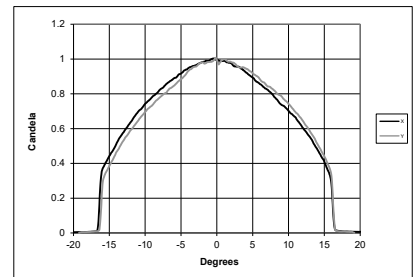
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



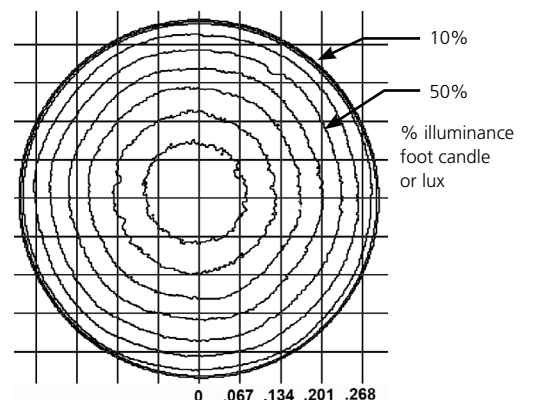
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	205.0 ft
	3.0 m	4.6 m	6.1 m	9.1 m	62.5 m
Field Diameter	5.9 ft	8.8 ft	11.8 ft	17.7 ft	-
	1.8 m	2.7 m	3.6 m	5.4 m	-
Illuminance (fc)	420	187	105	46.7	1
Illuminance (lux)	4,522	2,010	1,131	502	10.76

For field diameter at any distance, multiply distance by 0.589.  
For beam diameter at any distance, multiply by 0.502.

### Candela Plot



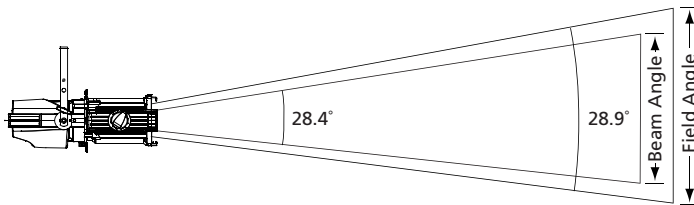
### Iso-Illuminance Diagram (Flat Surface Distribution)



**ColorSource Spot 25-50° Zoom Narrow**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	25°	46,390	6,700	6,484	168	39.9
At 3200 K	25°	38,281	5,529	5,351	111	49.8
At 5600 K	25°	43,157	6,233	6,032	143	43.6

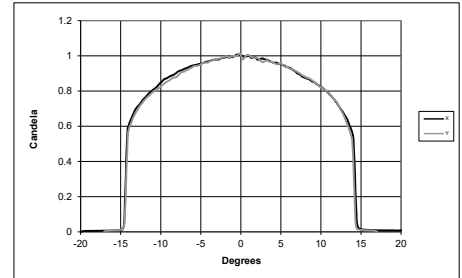
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



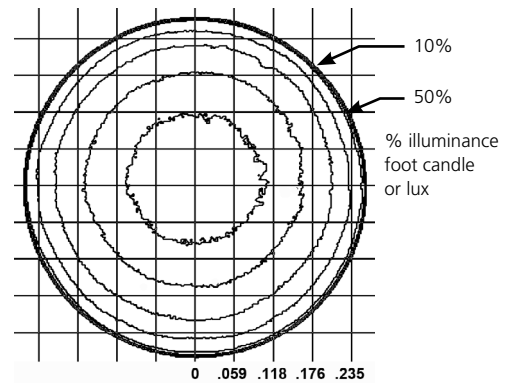
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	215.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	65.6 m
Field Diameter	5.2 ft	7.7 ft	10.3 ft	15.5 ft	-
	1.6 m	2.4 m	3.1 m	4.7 m	
Illuminance (fc)	464	206	116	51.5	1
Illuminance (lux)	4,993	2,219	1,248	555	10.76

For field diameter at any distance, multiply distance by 0.515.  
For beam diameter at any distance, multiply by 0.506.

**Candela Plot**



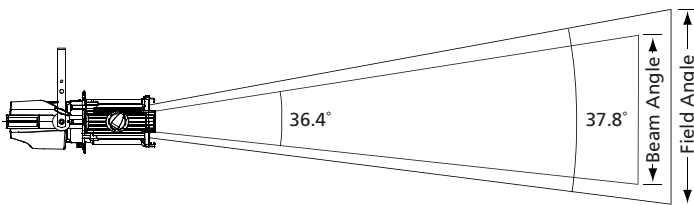
**Iso-Illuminance Diagram (Flat Surface Distribution)**



**ColorSource Spot 25-50° Zoom Mid**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	37°	29,639	6,974	6,240	168	41.5
At 3200 K	37°	24,458	5,755	5,149	111	51.9
At 5600 K	37°	27,573	6,488	5,805	143	45.4

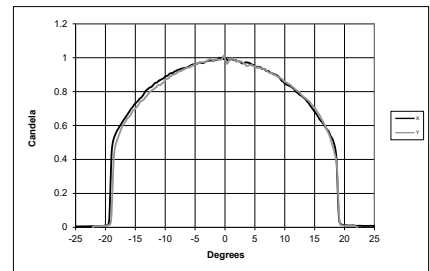
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



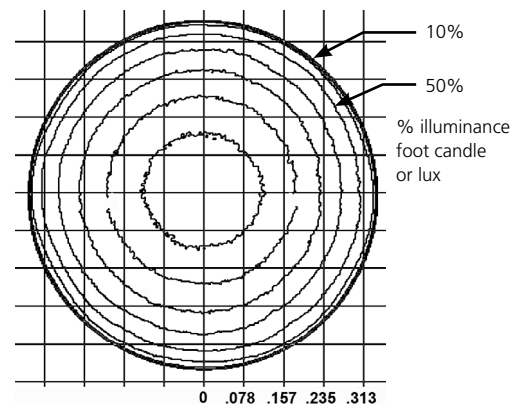
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	172.2 ft
	3.0 m	4.6 m	6.1 m	9.1 m	52.5 m
Field Diameter	6.8 ft	10.3 ft	13.7 ft	20.5 ft	-
	2.1 m	3.1 m	4.2 m	6.3 m	
Illuminance (fc)	296	132	74	32.9	1
Illuminance (lux)	3,190	1,418	798	354	10.76

For field diameter at any distance, multiply distance by 0.685.  
For beam diameter at any distance, multiply by 0.658.

**Candela Plot**



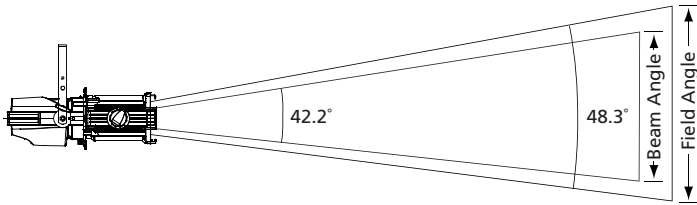
**Iso-Illuminance Diagram (Flat Surface Distribution)**



ColorSource Spot 25-50° Zoom Wide

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	50°	19,903	6,911	4,908	168	41.1
At 3200 K	50°	16,424	5,703	4,050	111	51.4
At 5600 K	50°	18,516	6,429	4,565	143	45.0

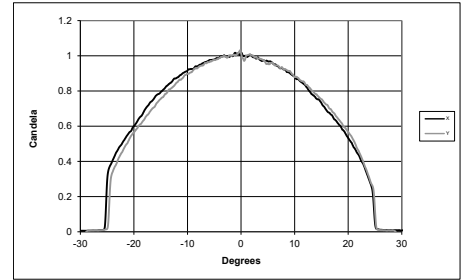
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



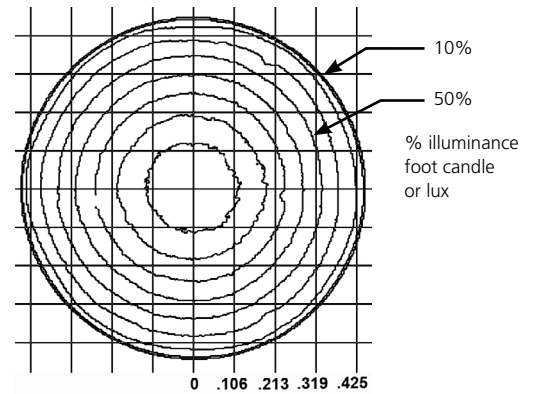
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	141.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	43.0 m
Field Diameter	9.0 ft	13.5 ft	17.9 ft	26.9 ft	-
	2.7 m	4.1 m	5.5 m	8.2 m	
Illuminance (fc)	199	88	50	22.1	1
Illuminance (lux)	2,142	952	536	238	10.76

For field diameter at any distance, multiply distance by 0.897.  
For beam diameter at any distance, multiply by 0.772.

Candela Plot



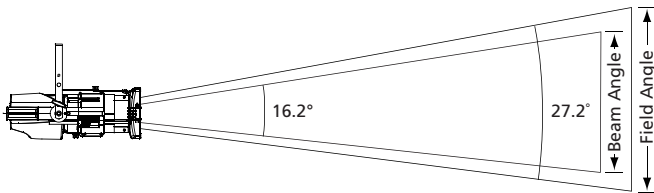
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot with Fresnel Adapter - Spot

Mode	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	71,191	5,171	3,047	168	30.8
At 3200 K	58,747	4,267	2,514	111	38.4
At 5600 K	66,229	4,811	2,834	143	33.6

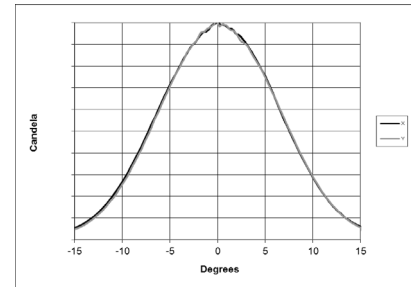
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply foot-candles by 10.76.



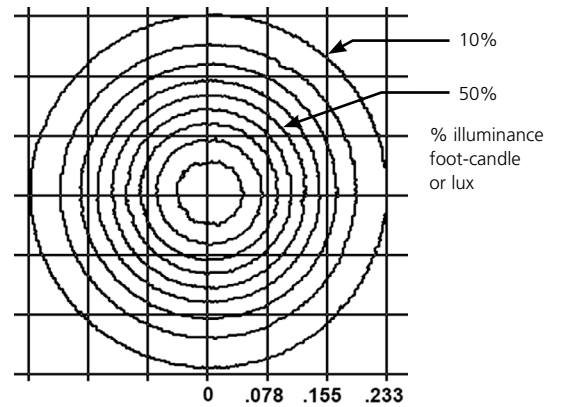
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	196.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	60.0 m
Field Diameter	4.8 ft	7.3 ft	9.7 ft	14.5 ft	-
	1.5 m	2.2 m	2.9 m	4.4 m	-
Illuminance (fc)	387	172	97	43.0	1.0
Illuminance (lux)	4,169	1,853	1,042	463	10.76

For field diameter at any distance, multiply distance by 0.484.  
For beam diameter at any distance, multiply by 0.285.

Candela Plot



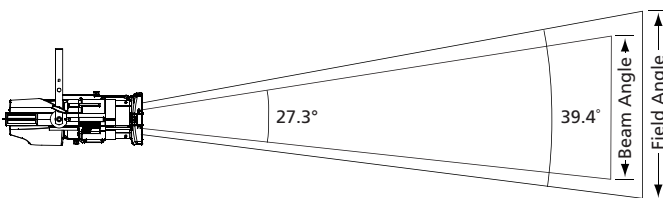
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot with Fresnel Adapter - Mid

Mode	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	34,357	6,176	4,231	168	36.8
At 3200 K	28,352	5,096	3,492	111	45.9
At 5600 K	31,963	5,746	3,937	143	40.2

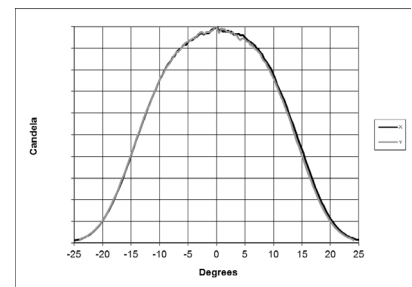
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply foot-candles by 10.76.



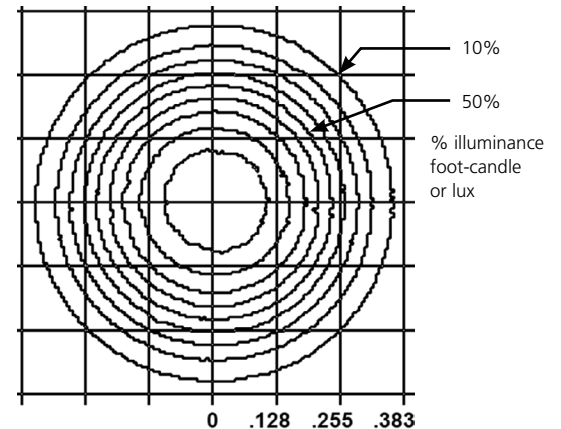
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	168.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	51.3 m
Field Diameter	7.2 ft	10.7 ft	14.3 ft	21.5 ft	-
	2.2 m	3.3 m	4.4 m	6.5 m	-
Illuminance (fc)	284	126	71	31.5	1.0
Illuminance (lux)	3,052	1,356	763	339	10.76

For field diameter at any distance, multiply distance by 0.716.  
For beam diameter at any distance, multiply by 0.486.

Candela Plot



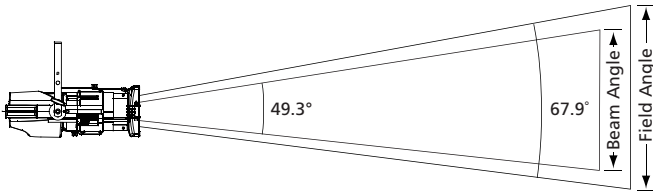
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot with Fresnel Adapter - Flood

Mode	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	12,219	6,487	4,197	168	38.6
At 3200 K	10,083	5,353	3,463	111	48.2
At 5600 K	11,367	6,035	3,904	143	42.2

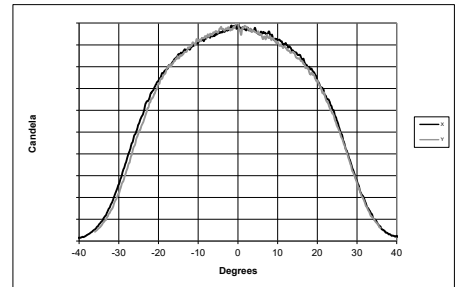
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply foot-candles by 10.76.



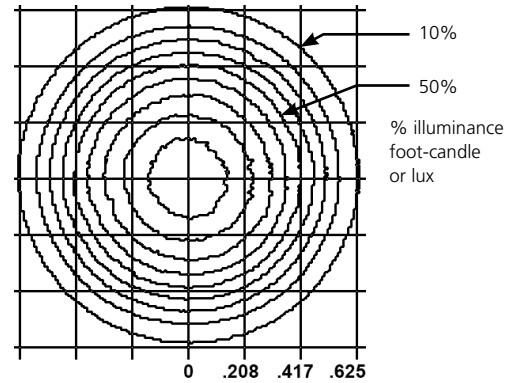
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	110.5 ft
	3.0 m	4.6 m	6.1 m	9.1 m	33.7 m
Field Diameter	13.5 ft 4.1 m	20.2 ft 6.2 m	26.9 ft 8.2 m	40.4 ft 12.3 m	-
Illuminance (fc)	122	54	31	13.6	1.0
Illuminance (lux)	1,315	585	329	149	10.76

For field diameter at any distance, multiply distance by 1.346.  
For beam diameter at any distance, multiply by 0.918.

Candela Plot



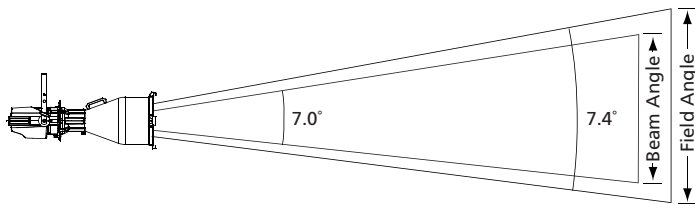
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 5°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	5°	554,445	4,682	4,507	166	28.2
At 3200 K	5°	551,352	4,352	4,189	118	36.9
At 5600 K	5°	493,911	4,171	4,015	118.6	35.2

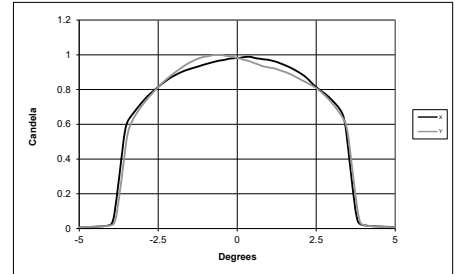
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



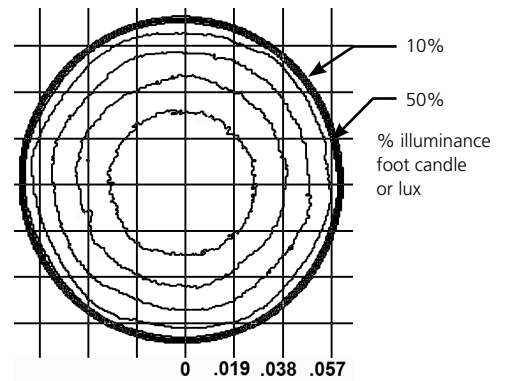
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	744.6 ft
	3.0 m	4.6 m	6.1 m	9.1 m	227.0 m
Field Diameter	1.3 ft	1.9 ft	2.6 ft	3.9 ft	-
	0.4 m	0.6 m	0.8 m	1.2 m	-
Illuminance (fc)	5,544	2,464	1,386	616.0	1
Illuminance (lux)	59,680	26,524	14,920	6,631	10.76

For field diameter at any distance, multiply distance by 0.129.  
For beam diameter at any distance, multiply by 0.122.

Candela Plot



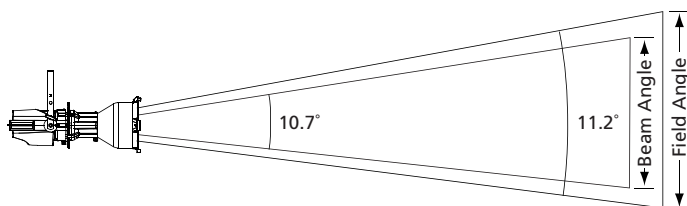
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 10°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	10°	284,501	5,063	4,667	166	30.5
At 3200 K	10°	264,441	4,706	4,338	118	39.9
At 5600 K	10°	253,440	4,510	4,157	118.6	38.0

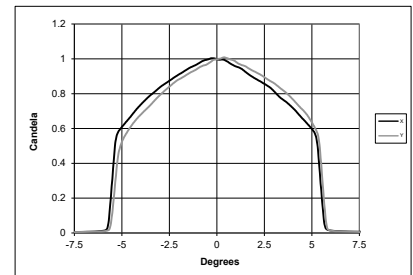
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



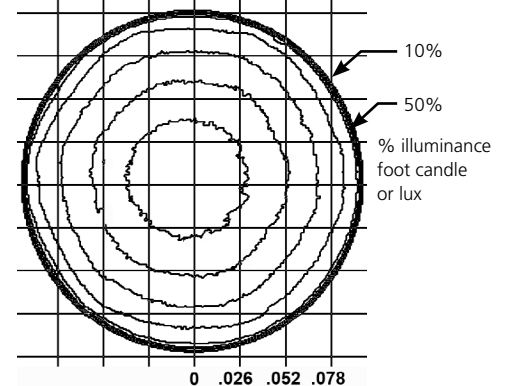
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	533.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	162.6 m
Field Diameter	2.0 ft	2.9 ft	3.9 ft	5.9 ft	-
	0.6 m	0.9 m	1.2 m	1.8 m	-
Illuminance (fc)	2,845	1,264	711	316.1	1
Illuminance (lux)	30,623	13,610	7,656	3,403	10.76

For field diameter at any distance, multiply distance by 0.196.  
For beam diameter at any distance, multiply by 0.187.

Candela Plot



Iso-Illuminance Diagram (Flat Surface Distribution)

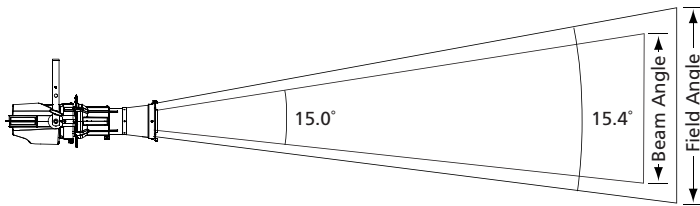




**ColorSource Spot Deep Blue 14°**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	14°	154,098	5,757	5,575	166	34.7
At 3200 K	14°	143,233	5,352	5,182	118	45.4
At 5600 K	14°	137,273	5,129	4,966	118.6	43.2

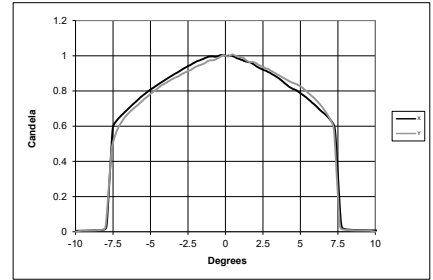
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



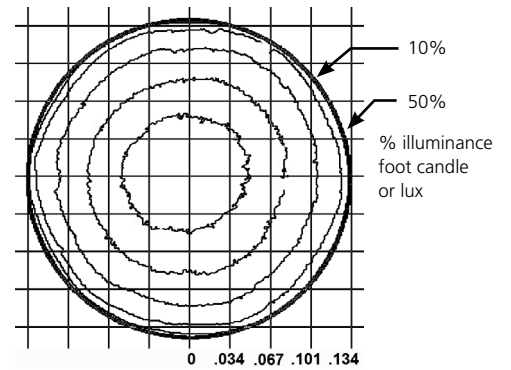
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	392.6 ft
	3.0 m	4.6 m	6.1 m	9.1 m	119.7 m
Field Diameter	2.7 ft	4.1 ft	5.4 ft	8.1 ft	-
	0.8 m	1.2 m	1.6 m	2.5 m	
Illuminance (fc)	1,541	685	385	171.2	1
Illuminance (lux)	16,587	7,372	4,147	1,843	10.76

For field diameter at any distance, multiply distance by 0.270.  
For beam diameter at any distance, multiply by 0.263.

**Candela Plot**



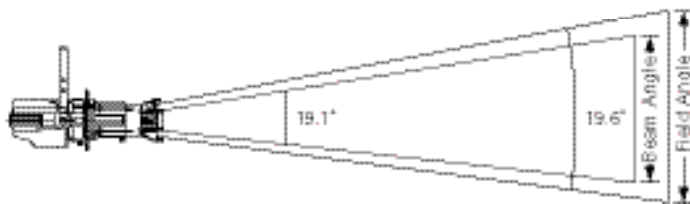
**Iso-Illuminance Diagram (Flat Surface Distribution)**



**ColorSource Spot Deep Blue 19° EDLT**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	19°	96,523	5,740	5,472	166	34.6
At 3200 K	19°	89,717	5,335	5,086	118	45.2
At 5600 K	19°	85,984	5,113	4,874	118.6	43.1

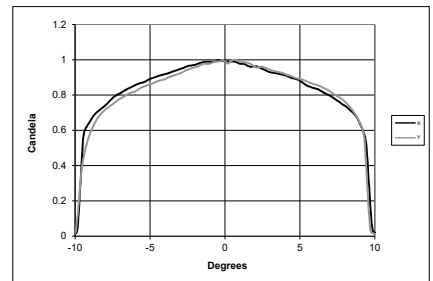
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



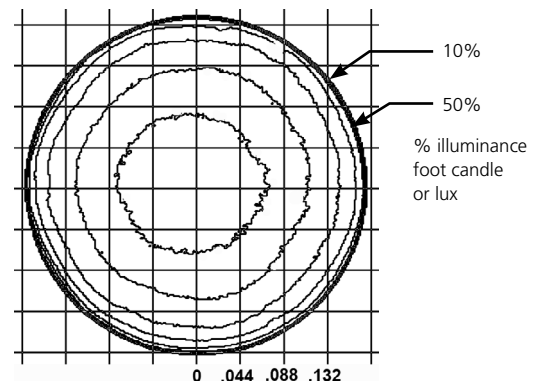
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	310.7 ft
	3.0 m	4.6 m	6.1 m	9.1 m	94.7 m
Field Diameter	3.5 ft	5.2 ft	6.9 ft	10.4 ft	-
	1.1 m	1.6 m	2.1 m	3.2 m	
Illuminance (fc)	965	429	241	107.2	1
Illuminance (lux)	10,390	4,618	2,597	1,154	10.76

For field diameter at any distance, multiply distance by 0.345.  
For beam diameter at any distance, multiply by 0.336.

**Candela Plot**



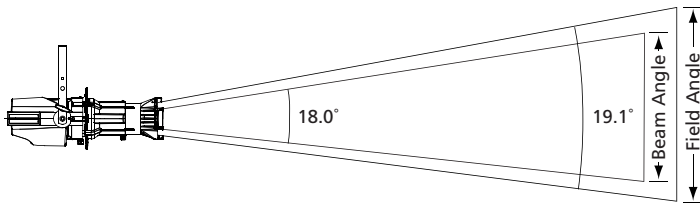
**Iso-Illuminance Diagram (Flat Surface Distribution)**



ColorSource Spot Deep Blue 19°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	19°	92,249	5,061	4,634	166	30.5
At 3200 K	19°	85,745	4,704	4,307	118	39.9
At 5600 K	19°	82,177	4,508	4,128	118.6	38.0

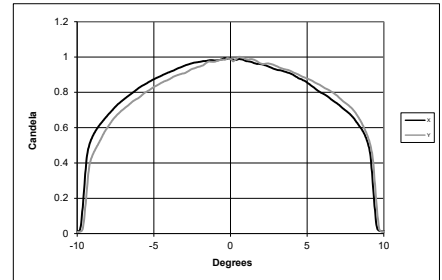
Metric Conversions: For Meters multiply feet by .3048.  
For Lux multiply footcandles by 10.76.



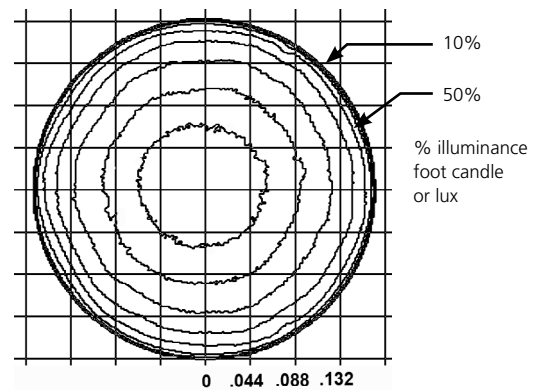
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	303.7 ft
	3.0 m	4.6 m	6.1 m	9.1 m	92.6 m
Field Diameter	3.4 ft	5.0 ft	6.7 ft	10.1 ft	-
	1.0 m	1.5 m	2.1 m	3.1 m	-
Illuminance (fc)	922	410	231	102.5	1
Illuminance (lux)	9,930	4,413	2,482	1,103	10.76

For field diameter at any distance, multiply distance by 0.336.  
For beam diameter at any distance, multiply by 0.317.

Candela Plot



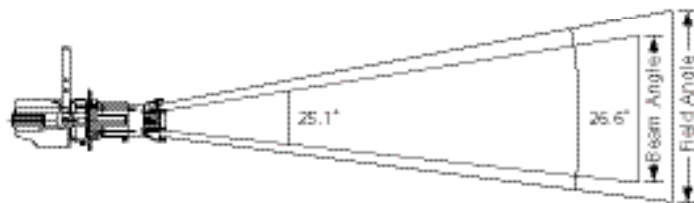
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 26° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	26°	59,067	6,494	5,754	166	39.1
At 3200 K	26°	54,847	6,039	5,351	118	51.2
At 5600 K	26°	52,918	5,790	5,093	118.6	48.8

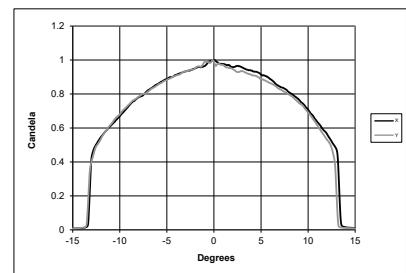
Metric conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76



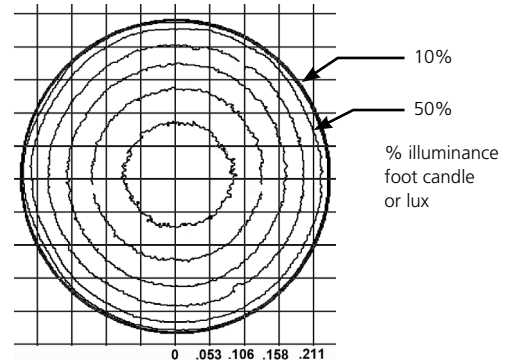
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	243.0 ft
	3.0 m	4.6 m	6.1 m	9.1 m	74.1 m
Field Diameter	4.7 ft	7.1 ft	9.5 ft	14.2 ft	-
	1.4 m	2.2 m	2.9 m	4.3 m	-
Illuminance (fc)	591	263	148	65.6	1
Illuminance (lux)	6,358	2,826	1,589	706	10.76

For field diameter at any distance, multiply distance by 0.473  
For beam diameter at any distance, multiply by 0.445

Candela Plot



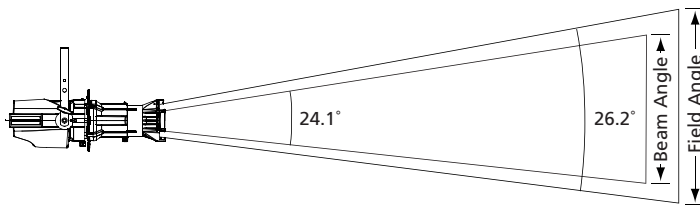
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 26°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	26°	56,083	5,169	4,163	166	31.1
At 3200 K	26°	52,129	4,805	3,708	118	40.7
At 5600 K	26°	49,960	4,605	3,708	118.6	38.8

Metric Conversions: For Meters multiply feet by .3048.  
For Lux multiply footcandles by 10.76.

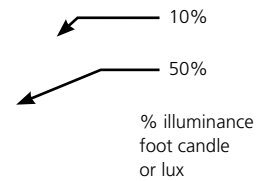


Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	236.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	72.2 m
Field Diameter	4.7 ft	7.0 ft	9.3 ft	14.0 ft	-
	1.4 m	2.1 m	2.8 m	4.3 m	-
Illuminance (fc)	561	249	140	62.3	1
Illuminance (lux)	6,037	2,683	1,509	671	10.76

For field diameter at any distance, multiply distance by 0.465.  
For beam diameter at any distance, multiply by 0.427.

Candela Plot

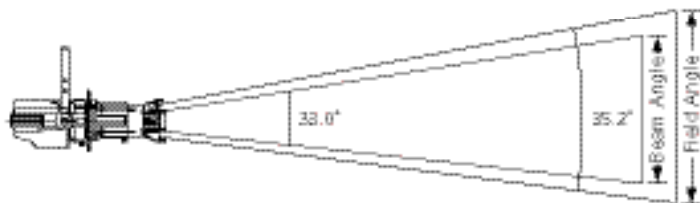
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 36° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	36°	35,461	6,453	5,379	166	38.9
At 3200 K	36°	27,377	5,118	4,235	118	50.8
At 5600 K	36°	30,864	5,769	4,774	118.6	48.5

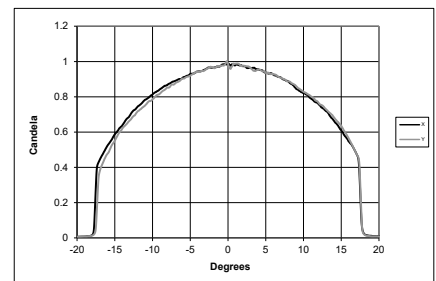
Metric Conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76



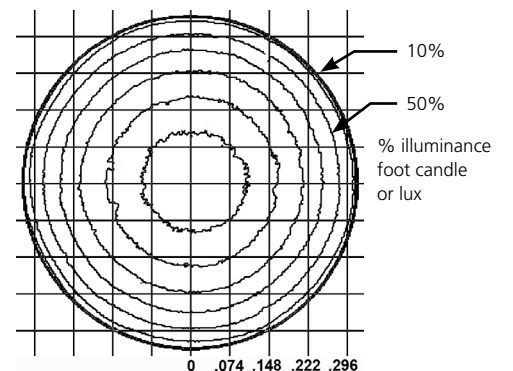
Throw Distance (d)	10ft	15ft	20ft	30ft	182.1ft
	3.0m	4.6m	6.1m	9.1m	55.5m
Field Diameter	6.3ft	9.5ft	12.7ft	19.0ft	-
	1.9m	2.9m	3.9m	5.8m	-
Illuminance (fc)	332	147	83	36.9	1
Illuminance (lux)	3,571	1,587	893	397	10.76

For field diameter at any distance, multiply distance by 0.634  
For beam diameter at any distance, multiply by 0.592

Candela Plot



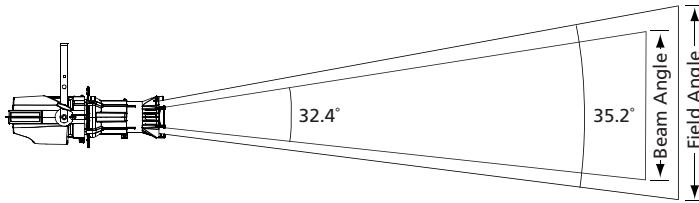
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 36°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	36°	33,515	6,230	5,191	166	37.5
At 3200 K	36°	31,152	4,825	4,625	118	49.1
At 5600 K	36°	29,856	5,550	4,625	118.6	46.8

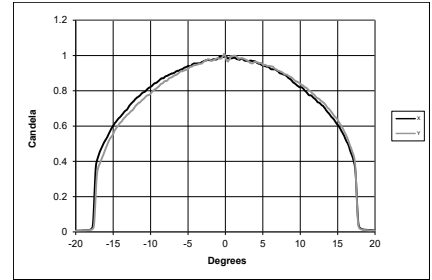
Metric Conversions: For Meters multiply feet by .3048.  
For Lux multiply footcandles by 10.76.



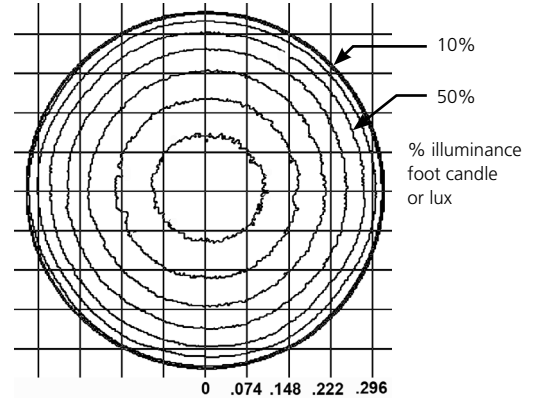
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	183.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	55.8 m
Field Diameter	6.3 ft	9.5 ft	12.7 ft	19.0 ft	-
	1.9 m	2.9 m	3.9 m	5.8 m	-
Illuminance (fc)	335	149	84	37.2	1
Illuminance (lux)	3,608	1,603	902	401	10.76

For field diameter at any distance, multiply distance by 0.634.  
For beam diameter at any distance, multiply by 0.581.

Candela Plot



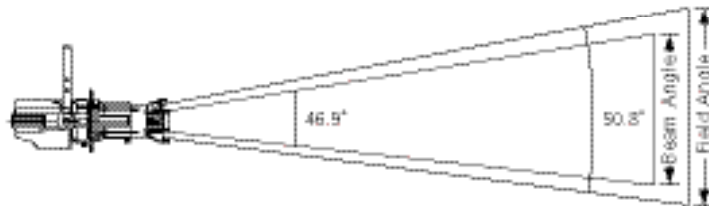
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 50° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	50°	16,142	6,598	5,542	166	39.7
At 3200 K	50°	13,542	5,152	3,716	118	52.0
At 5600 K	50°	15,266	5,808	4,189	118.6	49.6

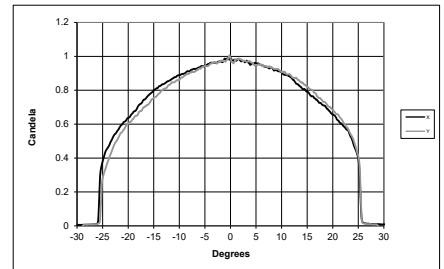
Metric conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76



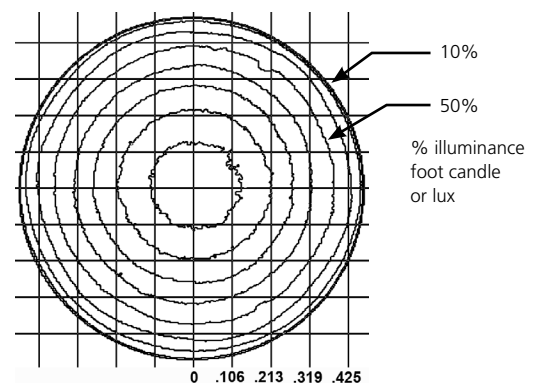
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	127.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	38.7 m
Field Diameter	9.5 ft	14.2 ft	19.0 ft	28.5 ft	-
	2.9 m	4.3 m	5.8 m	8.7 m	-
Illuminance (fc)	161	72	40	17.9	1
Illuminance (lux)	1,738	772	434	193	10.76

For field diameter at any distance, multiply distance by 0.950  
For beam diameter at any distance, multiply by 0.868

Candela Plot



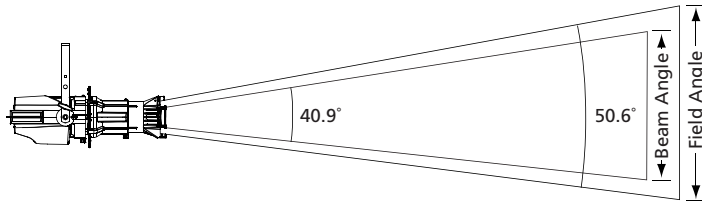
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 50°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
At Maximum Output	50°	19,296	6,221	4,165	166	37.5
At 3200 K	50°	17,936	5,782	3,871	118	49.0
At 5600 K	50°	17,189	5,541	3,710	118.6	46.7

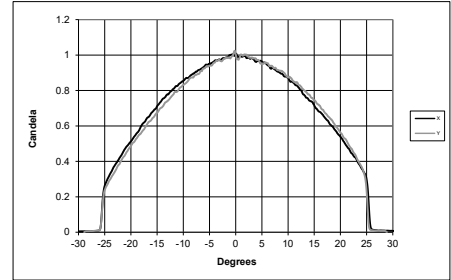
Metric Conversions: For Meters multiply feet by .3048.  
For Lux multiply footcandles by 10.76.



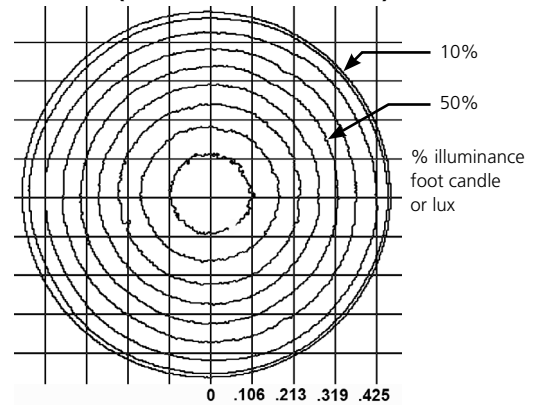
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	138.9 ft
	3.0 m	4.6 m	6.1 m	9.1 m	42.3 m
Field Diameter	9.5 ft	14.2 ft	18.9 ft	28.4 ft	-
	2.9 m	4.3 m	5.8 m	8.6 m	-
Illuminance (fc)	193	86	48	21.4	1
Illuminance (lux)	2,077	923	519	231	10.76

For field diameter at any distance, multiply distance by 0.945.  
For beam diameter at any distance, multiply by 0.746.

Candela Plot



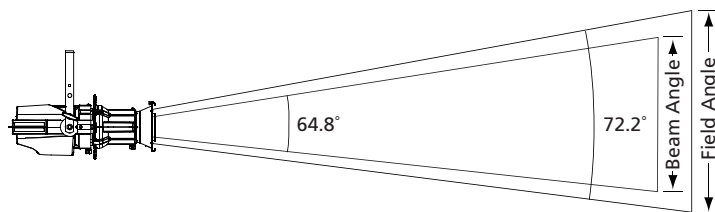
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 70°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	70°	10,117	6,971	4,020	166	42.0
At 3200 K	70°	9,403	6,479	3,736	118	54.9
At 5600 K	70°	9,012	6,210	3,581	118.6	52.4

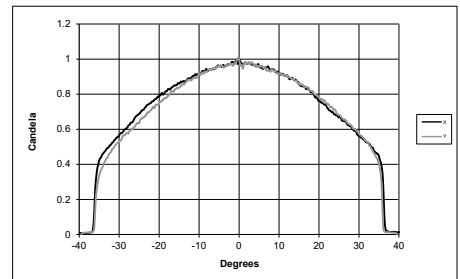
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



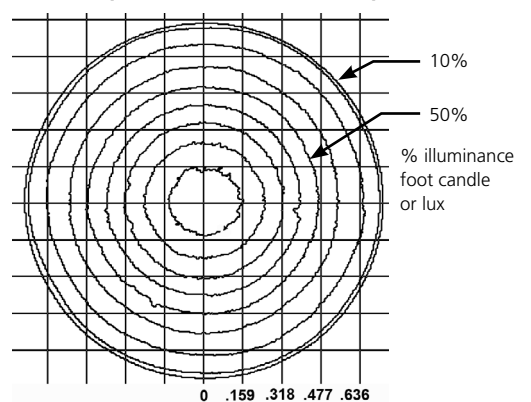
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	100.6 ft
	3.0 m	4.6 m	6.1 m	9.1 m	30.7 m
Field Diameter	14.6 ft	21.9 ft	29.2 ft	43.8 ft	-
	4.4 m	6.7 m	8.9 m	13.3 m	-
Illuminance (fc)	101	45	25	11.2	1
Illuminance (lux)	1,089	484	272	121	10.76

For field diameter at any distance, multiply distance by 1.458.  
For beam diameter at any distance, multiply by 1.269.

Candela Plot



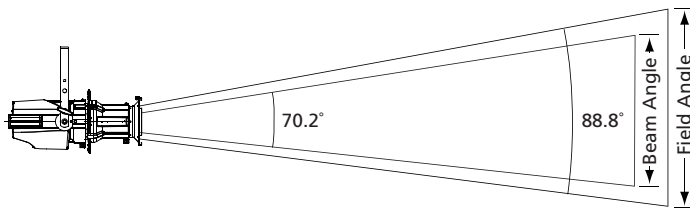
Iso-Illuminance Diagram (Flat Surface Distribution)



**ColorSource Spot Deep Blue 90°**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	90°	7,369	6,483	3,358	166	39.1
At 3200 K	90°	6,849	6,026	3,121	118	51.1
At 5600 K	90°	6,564	5,775	2,991	118.6	48.7

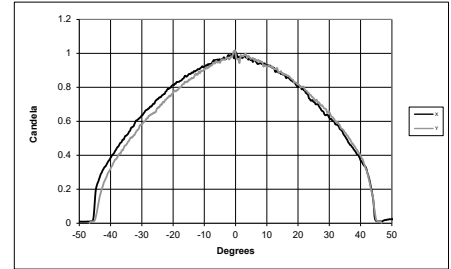
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



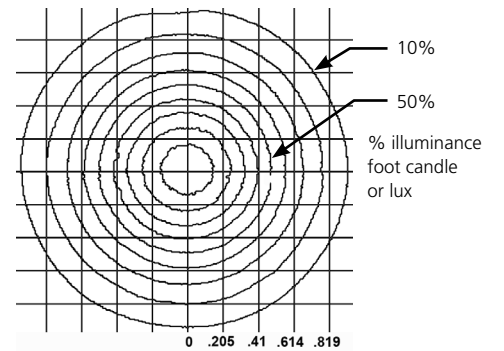
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	85.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	26.2 m
Field Diameter	19.6 ft	29.4 ft	39.2 ft	58.5 ft	-
	6.0 m	9.0 m	11.9 m	17.9 m	-
Illuminance (fc)	74	33	18	8.2	1
Illuminance (lux)	793	353	198	88	10.76

For field diameter at any distance, multiply distance by 1.959.  
For beam diameter at any distance, multiply by 1.406.

**Candela Plot**



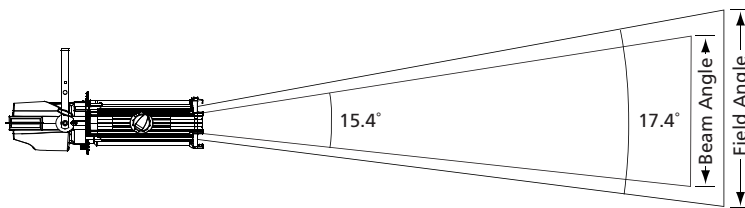
**Iso-Illuminance Diagram (Flat Surface Distribution)**



**ColorSource Spot Deep Blue 15-30° Zoom Narrow**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	15°	129,554	5,546	4,508	166	33.4
At 3200 K	15°	120,419	5,155	4,190	118	43.7
At 5600 K	15°	115,409	4,941	4,015	118.6	41.7

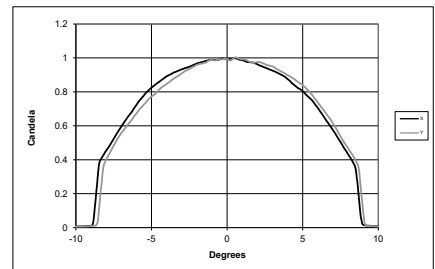
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



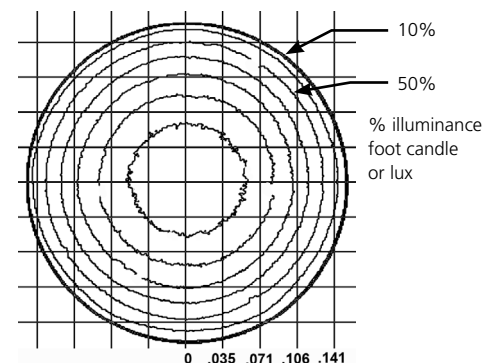
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	359.9 ft
	3.0 m	4.6 m	6.1 m	9.1 m	109.7 m
Field Diameter	3.1 ft	4.6 ft	6.1 ft	9.2 ft	-
	0.9 m	1.4 m	1.9 m	2.8 m	-
Illuminance (fc)	1,296	576	324	143.9	1
Illuminance (lux)	13,495	6,198	3,486	1,549	10.76

For field diameter at any distance, multiply distance by 0.306.  
For beam diameter at any distance, multiply by 0.270.

**Candela Plot**



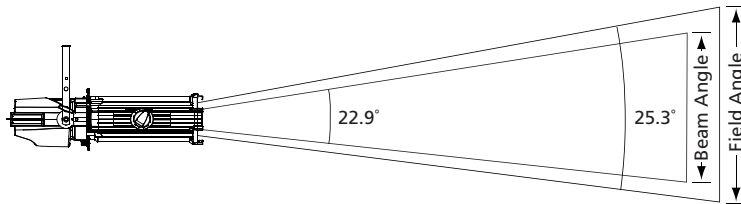
**Iso-Illuminance Diagram (Flat Surface Distribution)**



ColorSource Spot Deep Blue 15-30° Zoom Mid

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	23°	68,785	6,029	4,975	166	36.3
At 3200 K	23°	63,935	5,604	4,624	118	47.5
At 5600 K	23°	61,275	5,371	4,432	118.6	45.3

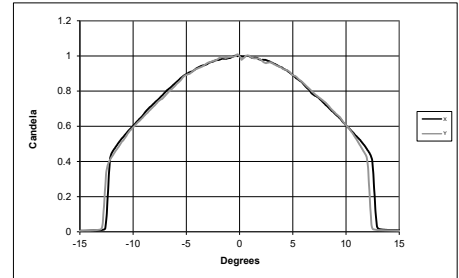
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



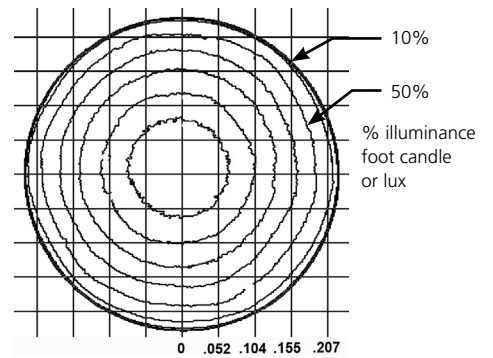
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	262.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	79.9 m
Field Diameter	4.5 ft	6.7 ft	9.0 ft	13.5 ft	-
	1.4 m	2.1 m	2.7 m	4.1 m	-
Illuminance (fc)	688	306	172	76.4	1
Illuminance (lux)	6,723	2,988	1,681	747	10.76

For field diameter at any distance, multiply distance by 0.449.  
For beam diameter at any distance, multiply by 0.405.

Candela Plot



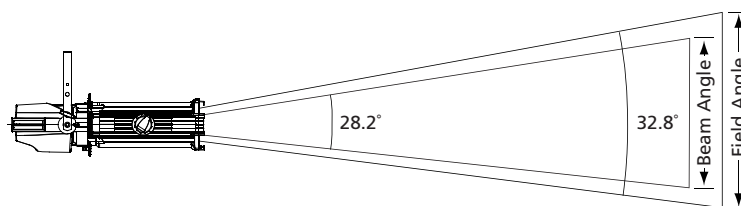
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue 15-30° Zoom Wide

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	30°	40,038	5,664	3,590	166	34.1
At 3200 K	30°	37,215	5,265	3,337	118	44.6
At 5600 K	30°	35,667	5,046	3,198	118.6	42.5

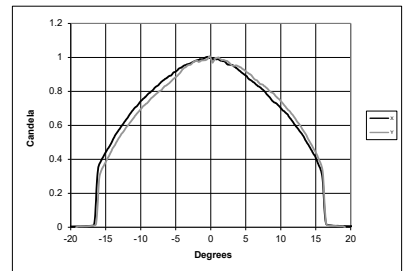
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



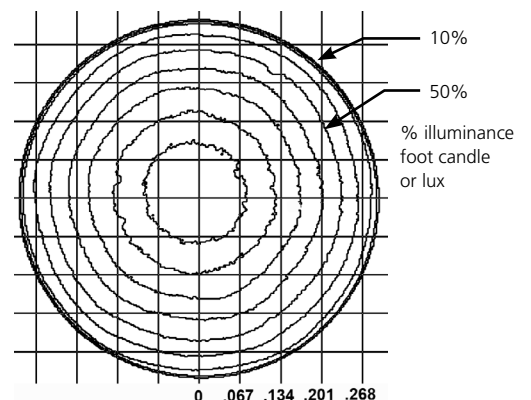
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	200.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	61.0 m
Field Diameter	5.9 ft	8.8 ft	11.8 ft	17.7 ft	-
	1.8 m	2.7 m	3.6 m	5.4 m	-
Illuminance (fc)	400	178	100	44.5	1
Illuminance (lux)	4,310	1,915	1,077	479	10.76

For field diameter at any distance, multiply distance by 0.589.  
For beam diameter at any distance, multiply by 0.502.

Candela Plot



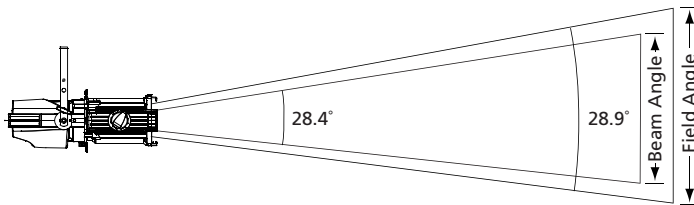
Iso-Illuminance Diagram (Flat Surface Distribution)



**ColorSource Spot Deep Blue 25-50° Zoom Narrow**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	25°	44,207	6,249	6,075	166	37.6
At 3200 K	25°	41,090	5,808	5,647	118	49.2
At 5600 K	25°	39,381	5,566	5,412	118.6	46.9

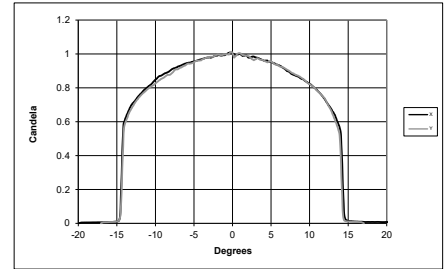
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



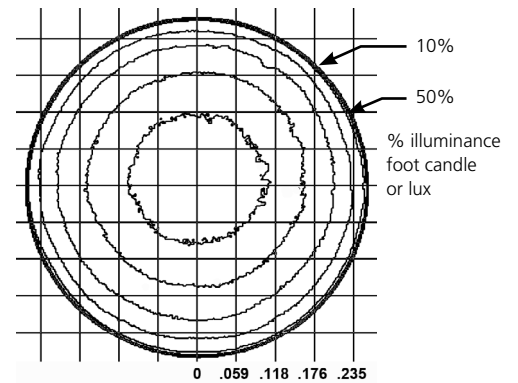
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	210.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	64.1 m
Field Diameter	5.2 ft	7.7 ft	10.3 ft	15.5 ft	-
	1.6 m	2.4 m	3.1 m	4.7 m	
Illuminance (fc)	442	196	111	49.1	1
Illuminance (lux)	4,758	2,115	1,190	529	10.76

For field diameter at any distance, multiply distance by 0.515.  
For beam diameter at any distance, multiply by 0.506.

**Candela Plot**



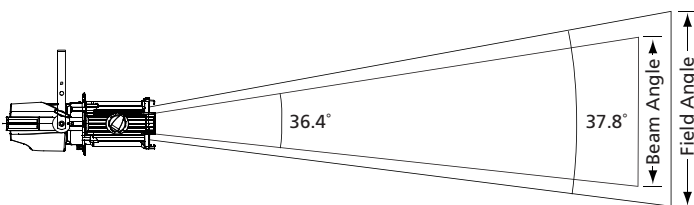
**Iso-Illuminance Diagram (Flat Surface Distribution)**



**ColorSource Spot Deep Blue 25-50° Zoom Mid**

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	37°	28,244	6,505	5,846	166	39.2
At 3200 K	37°	26,253	6,046	5,434	118	51.2
At 5600 K	37°	25,161	5,794	5,208	118.6	48.9

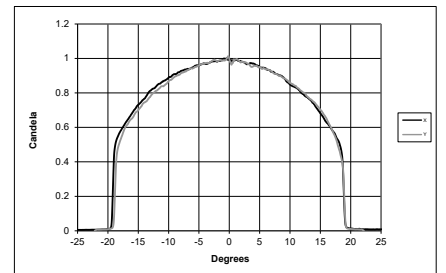
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



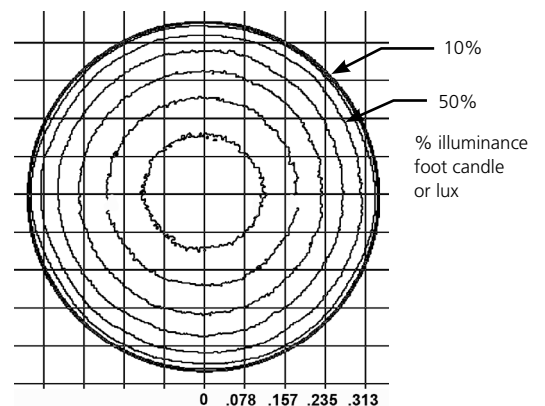
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	168.1 ft
	3.0 m	4.6 m	6.1 m	9.1 m	51.2 m
Field Diameter	6.8 ft	10.3 ft	13.7 ft	20.5 ft	-
	2.1 m	3.1 m	4.2 m	6.3 m	
Illuminance (fc)	282	126	71	31.4	1
Illuminance (lux)	3,040	1,351	760	338	10.76

For field diameter at any distance, multiply distance by 0.685.  
For beam diameter at any distance, multiply by 0.658.

**Candela Plot**



**Iso-Illuminance Diagram (Flat Surface Distribution)**

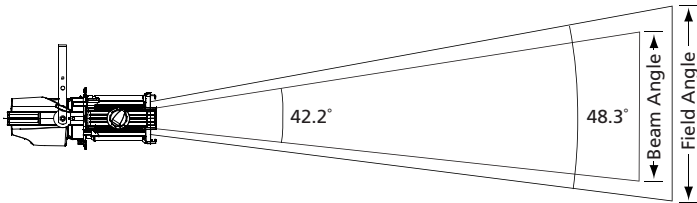




ColorSource Spot Deep Blue 25-50° Zoom Wide

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	50°	18,966	6,445	4,598	166	38.8
At 3200 K	50°	17,629	5,991	4,274	118	50.8
At 5600 K	50°	16,896	5,742	4,096	118.6	48.4

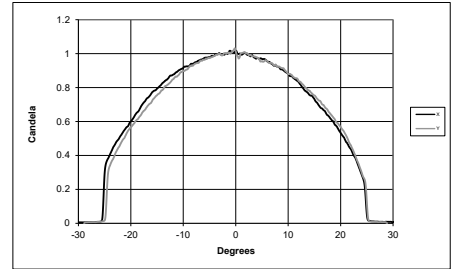
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



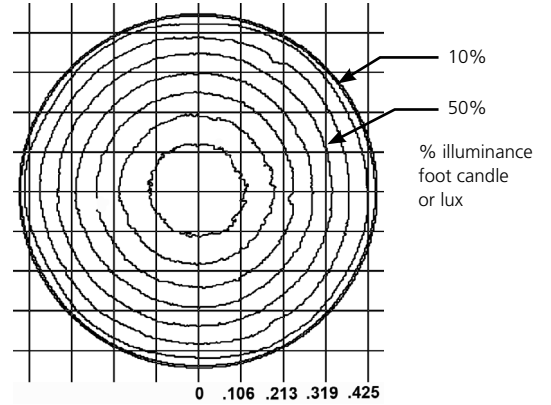
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	137.7 ft
	3.0 m	4.6 m	6.1 m	9.1 m	42.0 m
Field Diameter	9.0 ft	13.5 ft	17.9 ft	26.9 ft	-
	2.7 m	4.1 m	5.5 m	8.2 m	
Illuminance (fc)	190	84	47	21.1	1
Illuminance (lux)	2,042	907	510	227	10.76

For field diameter at any distance, multiply distance by 0.897.  
For beam diameter at any distance, multiply by 0.772.

Candela Plot



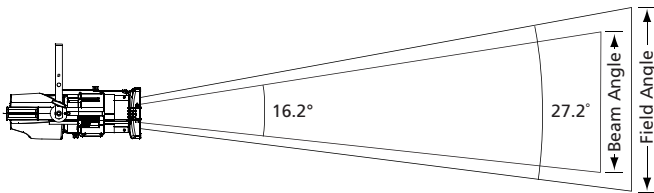
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue with Fresnel Adapter - Spot

Mode	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	66,981	4,865	2,866	166	29.3
At 3200 K	62,258	4,522	2,664	118	38.3
At 5600 K	59,668	4,334	2,553	118.6	36.5

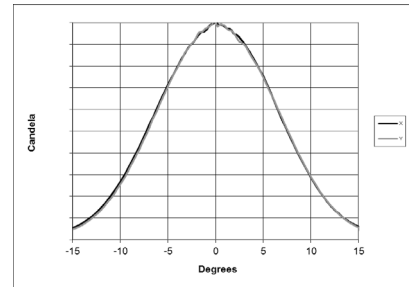
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply foot-candles by 10.76.



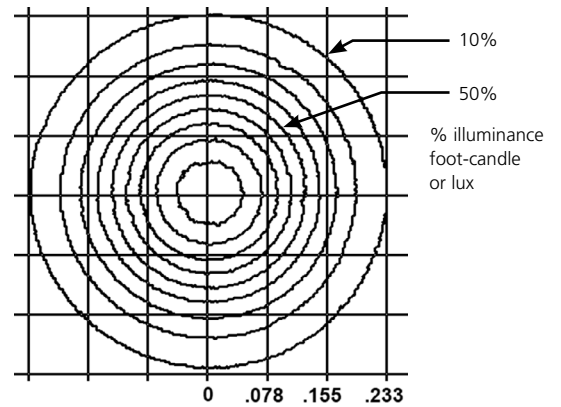
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	195.2 ft
	3.0 m	4.6 m	6.1 m	9.1 m	59.5 m
Field Diameter	4.8 ft	7.3 ft	9.7 ft	14.5 ft	-
	1.5 m	2.2 m	2.9 m	4.4 m	-
Illuminance (fc)	381	169	95	42.3	1.0
Illuminance (lux)	4,100	1,822	1,025	456	10.76

For field diameter at any distance, multiply distance by 0.484.  
For beam diameter at any distance, multiply by 0.285.

Candela Plot



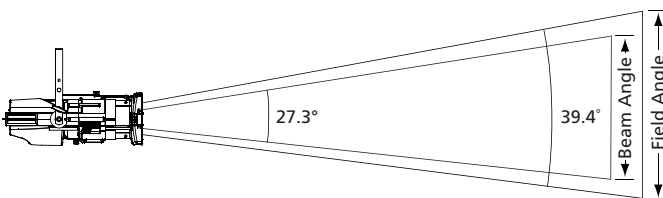
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue with Fresnel Adapter - Mid

Mode	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	32,326	5,811	3,981	166	35.0
At 3200 K	30,046	5,401	3,701	118	45.8
At 5600 K	28,796	5,177	3,547	118.6	43.6

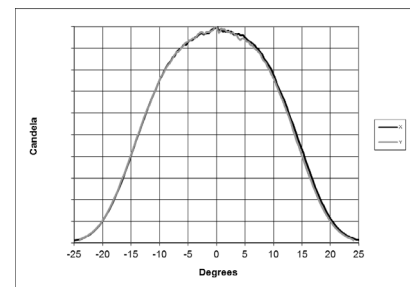
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply foot-candles by 10.76.



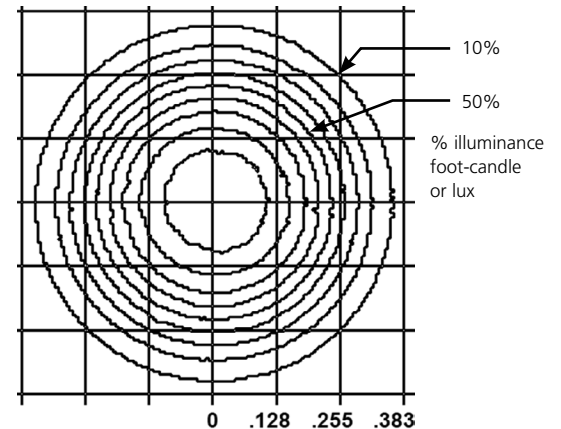
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	173.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	52.8 m
Field Diameter	7.2 ft	10.7 ft	14.3 ft	21.5 ft	-
	2.2 m	3.3 m	4.4 m	6.5 m	-
Illuminance (fc)	300	134	75	33.4	1.0
Illuminance (lux)	3,234	1,437	809	359	10.76

For field diameter at any distance, multiply distance by 0.716.  
For beam diameter at any distance, multiply by 0.486.

Candela Plot



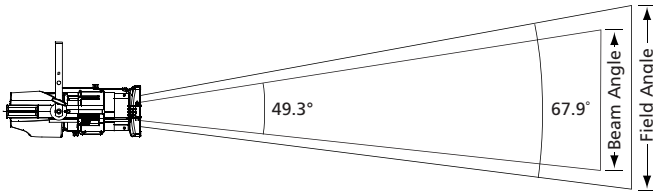
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Deep Blue with Fresnel Adapter - Flood

Mode	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	11,496	6,104	3,949	166	36.8
At 3200 K	10,685	5,673	3,670	118	48.1
At 5600 K	10,241	5,437	3,518	118.6	45.8

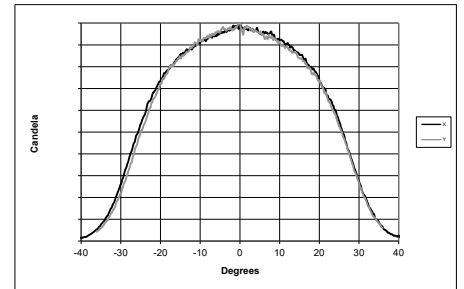
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply foot-candles by 10.76.



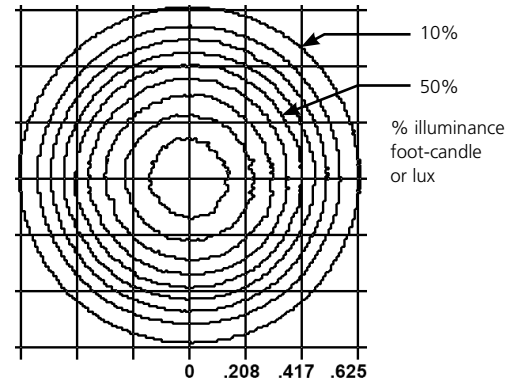
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	107.2 ft
	3.0 m	4.6 m	6.1 m	9.1 m	32.7 m
Field Diameter	13.5 ft	20.2 ft	26.9 ft	40.4 ft	-
	4.1 m	6.2 m	8.2 m	12.3 m	-
Illuminance (fc)	115	51	29	12.8	1.0
Illuminance (lux)	1,237	550	309	137	10.76

For field diameter at any distance, multiply distance by 1.346.  
For beam diameter at any distance, multiply by 0.918.

Candela Plot



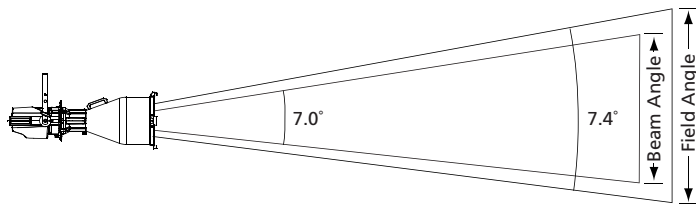
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 5°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	5°	625,000	6,018	5,820	200	30.1
At 3200 K	5°	421,688	4,060	3,927	144	28.2
At 5600 K	5°	333,625	3,212	3,107	97.5	32.9

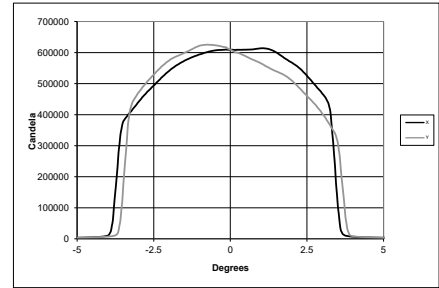
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



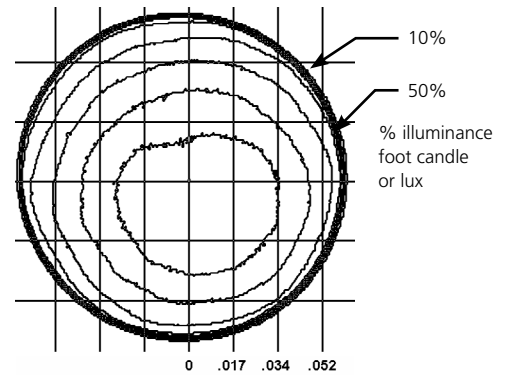
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	790.6 ft
	3.0 m	4.6 m	6.1 m	9.1 m	241.0 m
Field Diameter	1.3 ft	1.9 ft	2.6 ft	3.9 ft	-
	0.4 m	0.6 m	0.8 m	1.2 m	
Illuminance (fc)	6,250	2,778	1,563	694.4	1
Illuminance (lux)	67,274	29,900	16,819	7,475	10.76

For field diameter at any distance, multiply distance by 0.129.  
For beam diameter at any distance, multiply by 0.122.

Candela Plot



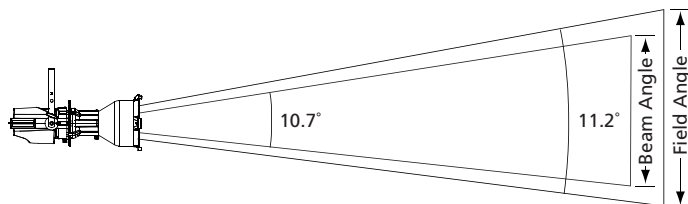
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 10°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	10°	325,200	7,298	7,061	200	36.5
At 3200K	10°	219,412	4,924	4,764	144	34.2
At 5600K	10°	173,592	3,896	3,769	97.5	40.0

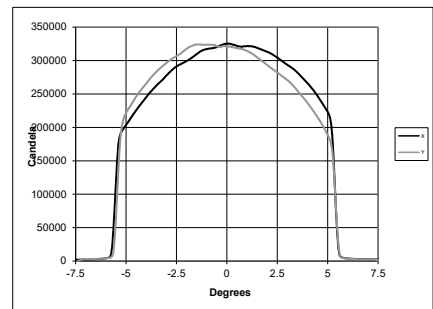
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



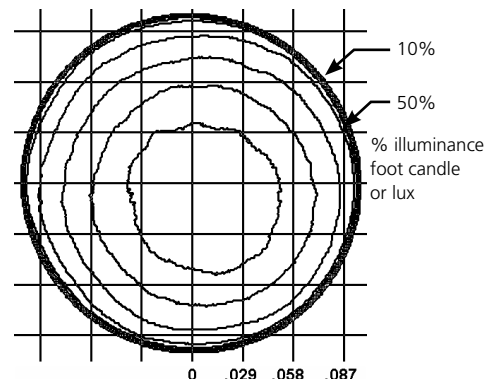
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	570.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	173.8 m
Field Diameter	2.0 ft	2.9 ft	3.9 ft	5.9 ft	-
	0.6 m	0.9 m	1.2 m	1.8 m	
Illuminance (fc)	3,252	1,445	813	361.3	1
Illuminance (lux)	35,004	15,557	8,751	3,889	10.76

For field diameter at any distance, multiply distance by 0.196.  
For beam diameter at any distance, multiply by 0.187.

Candela Plot



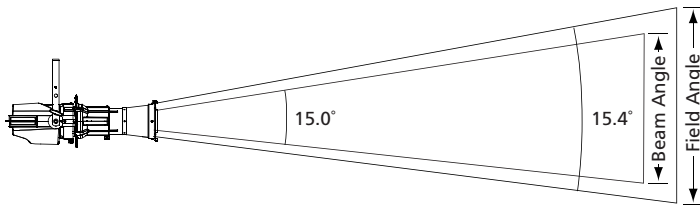
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 14°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	14°	165,320	7,613	7,538	200	38.1
At 3200 K	14°	111,541	5,136	5,086	144	35.7
At 5600 K	14°	88,248	4,064	4,024	97.5	41.7

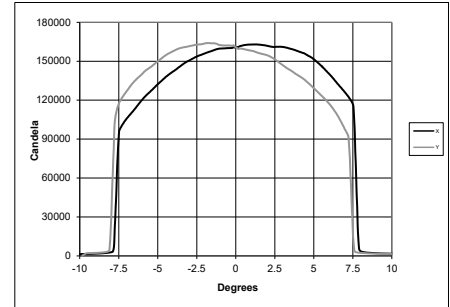
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



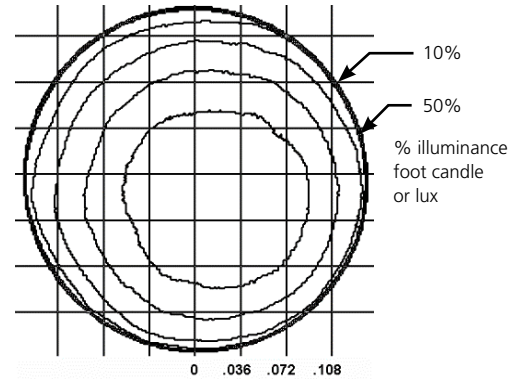
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	406.6 ft
	3.0 m	4.6 m	6.1 m	9.1 m	123.9 m
Field Diameter	2.7 ft	4.1 ft	5.5 ft	8.2 ft	-
	0.8 m	1.3 m	1.7 m	2.5 m	-
Illuminance (fc)	1,653	735	413	184	1
Illuminance (lux)	17,795	7,909	4,449	1,977	10.76

For field diameter at any distance, multiply distance by 0.274.  
For beam diameter at any distance, multiply by 0.267.

Candela Plot



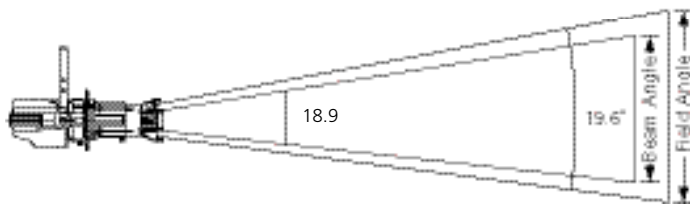
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 19° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	19°	102,930	7,538	7,380	200	37.7
At 3200 K	19°	69,447	5,086	4,979	144	35.3
At 5600 K	19°	54,944	4,024	3,939	97.5	41.3

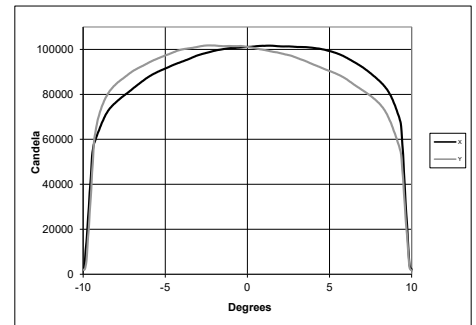
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



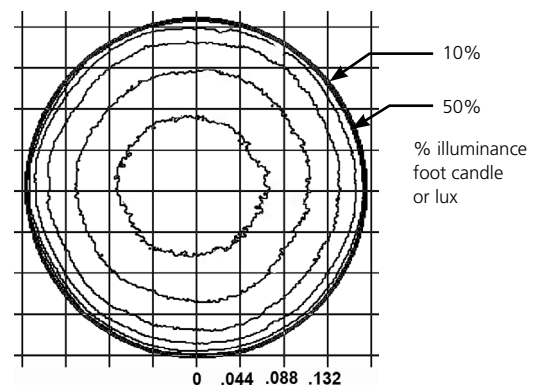
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	320.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	97.8 m
Field Diameter	3.5 ft	5.2 ft	6.9 ft	10.4 ft	-
	1.1 m	1.6 m	2.1 m	3.2 m	-
Illuminance (fc)	1,029	457	257	114	1
Illuminance (lux)	11,079	4,924	2,770	1,231	10.76

For field diameter at any distance, multiply distance by 0.345.  
For beam diameter at any distance, multiply by 0.333.

Candela Plot



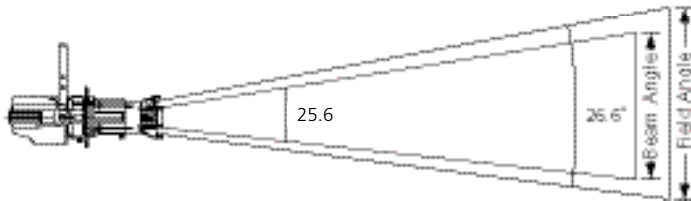
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 26° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	26°	71,562	9,003	8,309	200	45.0
At 3200 K	26°	48,260	6,084	5,601	144	42.3
At 5600 K	26°	38,283	4,800	4,432	97.5	49.2

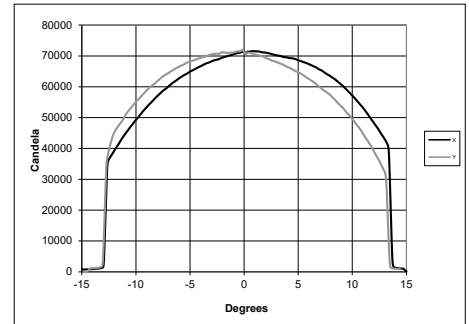
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



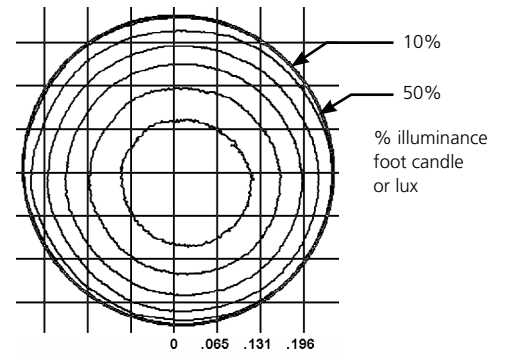
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	267.5 ft
	3.0 m	4.6 m	6.1 m	9.1 m	81.5 m
Field Diameter	4.7 ft	7.1 ft	9.5 ft	14.2 ft	-
	1.4 m	2.2 m	2.9 m	4.3 m	-
Illuminance (fc)	716	318	179	79.5	1
Illuminance (lux)	7,703	3,423	1,926	856	10.76

For field diameter at any distance, multiply distance by 0.473.  
For beam diameter at any distance, multiply by 0.445.

Candela Plot



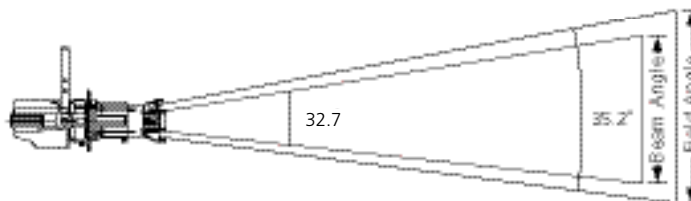
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 36° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	36°	37,430	8,059	6,964	200	40.3
At 3200 K	36°	25,254	5,437	4,699	144	37.8
At 5600 K	36°	19,980	4,302	3,717	97.5	44.1

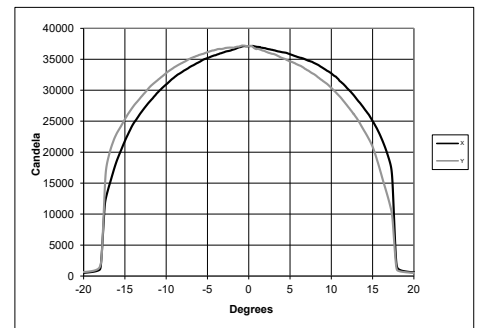
Metric Conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



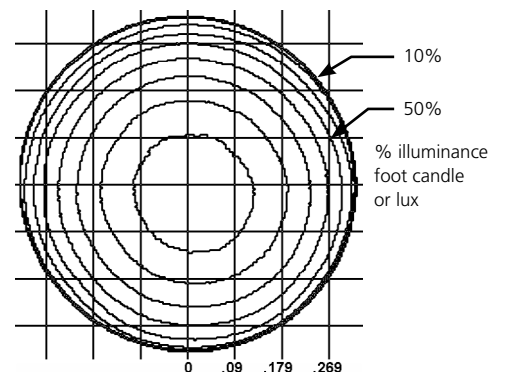
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	193.5 ft
	3.0 m	4.6 m	6.1 m	9.1 m	59.0 m
Field Diameter	6.4 ft	9.6 ft	12.8 ft	19.3 ft	-
	2.0 m	2.9 m	3.9 m	5.9 m	-
Illuminance (fc)	374	166	94	42	1
Illuminance (lux)	4,029	1,791	1,007	448	10.76

For field diameter at any distance, multiply distance by 0.642.  
For beam diameter at any distance, multiply by 0.587.

Candela Plot



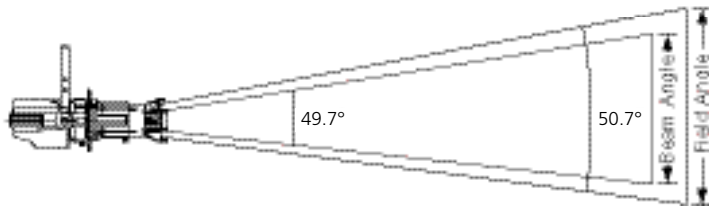
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 50° EDLT

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	50°	19,100	9,031	8,005	200	45.2
At 3200 K	50°	12,887	6,093	5,401	144	42.3
At 5600 K	50°	10,196	4,821	4,273	97.5	49.4

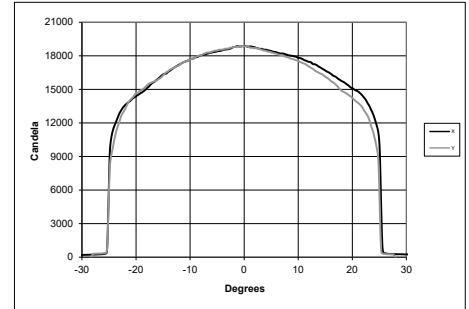
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



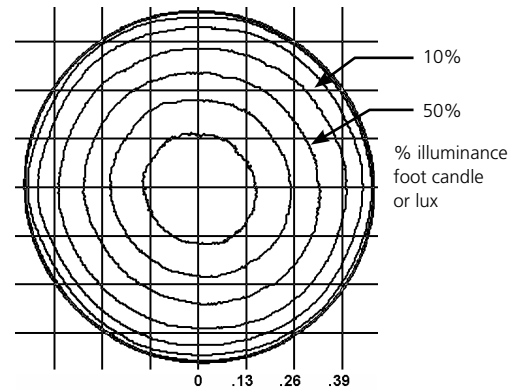
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	138.2 ft
	3.0 m	4.6 m	6.1 m	9.1 m	42.1 m
Field Diameter	9.5 ft	14.2 ft	19.0 ft	28.4 ft	-
	2.9 m	4.3 m	5.8 m	8.7 m	
Illuminance (fc)	191	85	48	21	1
Illuminance (lux)	2,056	914	514	228	10.76

For field diameter at any distance, multiply distance by 0.948.  
For beam diameter at any distance, multiply by 0.926.

Candela Plot



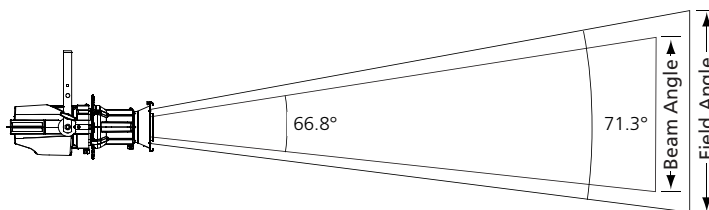
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 70°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	70°	11,504	9,422	5,745	200	47.1
At 3200 K	70°	7,762	6,357	3,876	144	44.1
At 5600 K	70°	6,141	5,029	3,067	97.5	51.6

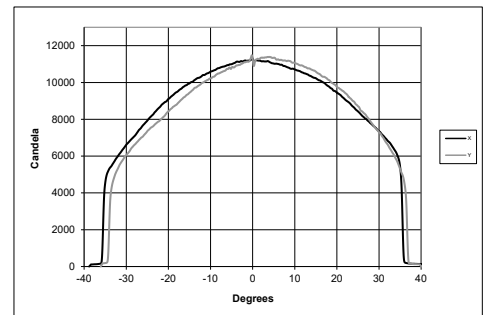
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



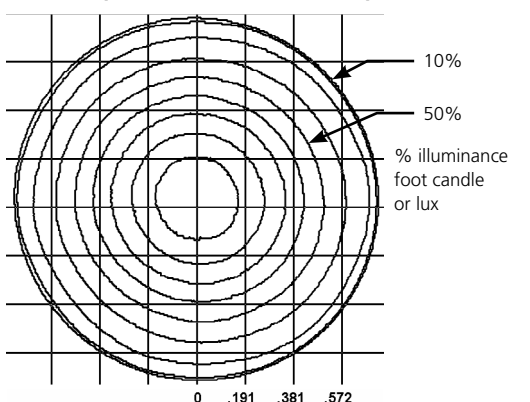
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	107.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	32.7 m
Field Diameter	14.3 ft	21.5 ft	28.7 ft	43.0 ft	-
	4.4 m	6.6 m	8.7 m	13.1 m	
Illuminance (fc)	115	51	29	13	1
Illuminance (lux)	1,238	550	310	138	10.76

For field diameter at any distance, multiply distance by 1.435.  
For beam diameter at any distance, multiply by 1.319.

Candela Plot



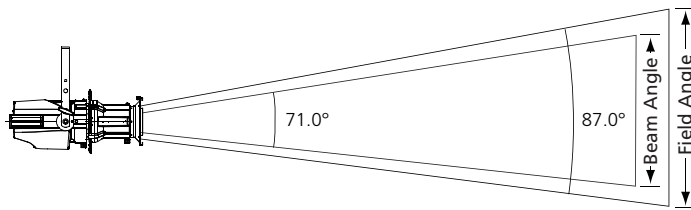
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 90°

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	90°	8,600	9,000	4,700	200	45.0
At 3200 K	90°	5,802	6,072	3,171	144	42.2
At 5600 K	90°	4,591	4,804	2,509	97.5	49.3

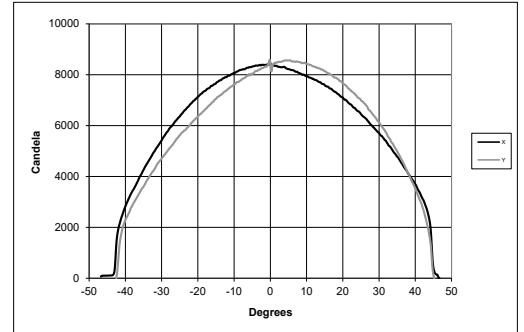
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



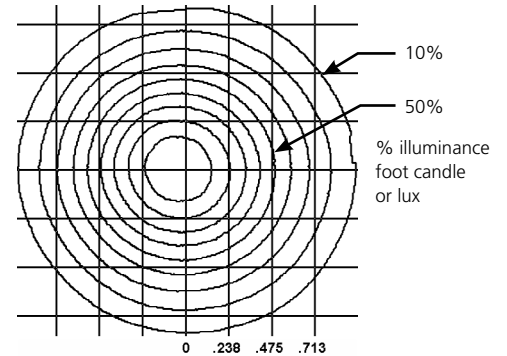
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	92.7 ft
	3.0 m	4.6 m	6.1 m	9.1 m	28.3 m
Field Diameter	19.0 ft	28.5 ft	38.0 ft	56.9 ft	-
	5.8 m	8.7 m	11.6 m	17.4 m	-
Illuminance (fc)	86	38	22	10	1
Illuminance (lux)	926	411	231	103	10.76

For field diameter at any distance, multiply distance by 1.898.  
For beam diameter at any distance, multiply by 1.427.

Candela Plot



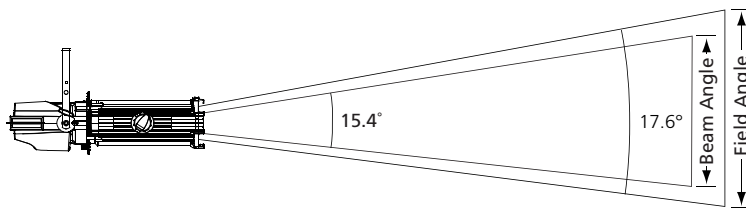
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 15-30° Zoom Narrow

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	15°	150,100	7,397	6,164	200	37.0
At 3200 K	15°	101,272	4,991	4,159	144	34.7
At 5600 K	15°	80,123	3,949	3,290	97.5	40.5

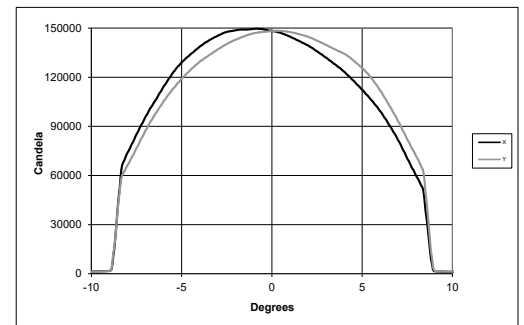
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



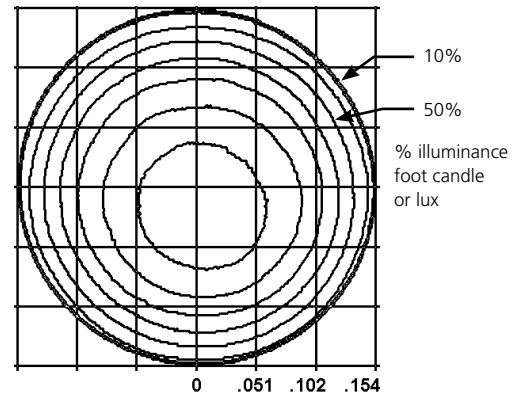
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	387.4 ft
	3.0 m	4.6 m	6.1 m	9.1 m	118.1 m
Field Diameter	3.1 ft	4.6 ft	6.2 ft	9.3 ft	-
	0.9 m	1.4 m	1.9 m	2.8 m	-
Illuminance (fc)	1,501	667	375	167	1
Illuminance (lux)	16,157	7,181	4,039	1,795	10.76

For field diameter at any distance, multiply distance by 0.310.  
For beam diameter at any distance, multiply by 0.270.

Candela Plot



Iso-Illuminance Diagram (Flat Surface Distribution)

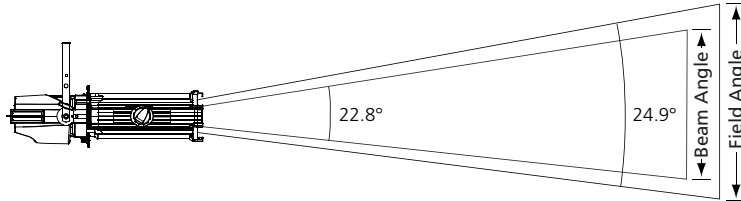




### ColorSource Spot Pearl 15-30° Zoom Mid

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	23°	81,790	8,269	6,942	200	41.3
At 3200 K	23°	55,184	5,579	4,684	144	38.7
At 5600 K	23°	43,660	4,414	3,706	97.5	45.3

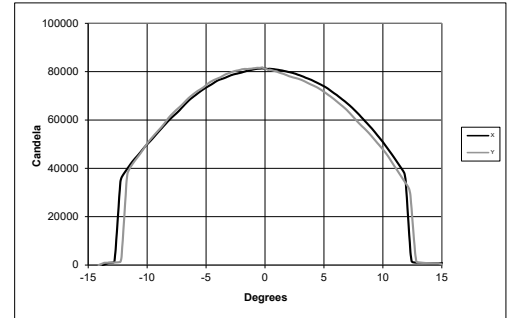
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



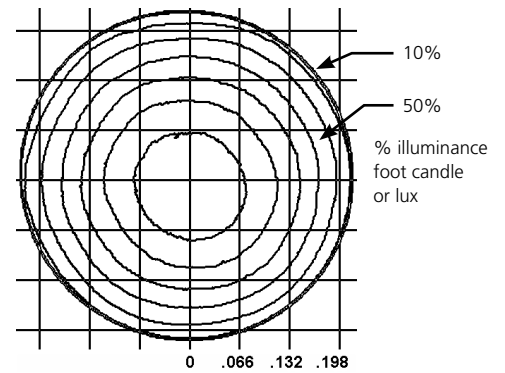
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	286.0 ft
	3.0 m	4.6 m	6.1 m	9.1 m	87.2 m
Field Diameter	4.4 ft	6.6 ft	8.8 ft	13.2 ft	-
	1.3 m	2.0 m	2.7 m	4.0 m	-
Illuminance (fc)	818	364	204	91	1
Illuminance (lux)	8,804	3,913	2,201	978	10.76

For field diameter at any distance, multiply distance by 0.442.  
For beam diameter at any distance, multiply by 0.403.

### Candela Plot



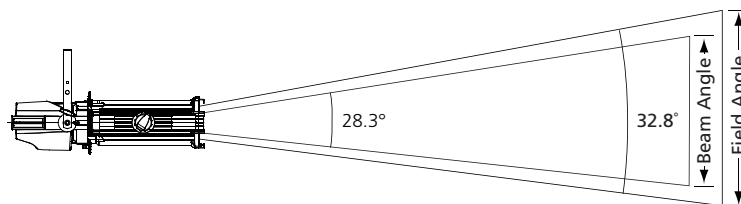
### Iso-Illuminance Diagram (Flat Surface Distribution)



### ColorSource Spot Pearl 15-30° Zoom Wide

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	30°	45,720	7,635	5,887	200	38.2
At 3200 K	30°	30,847	5,151	3,972	144	35.8
At 5600 K	30°	24,405	4,076	3,142	97.5	41.8

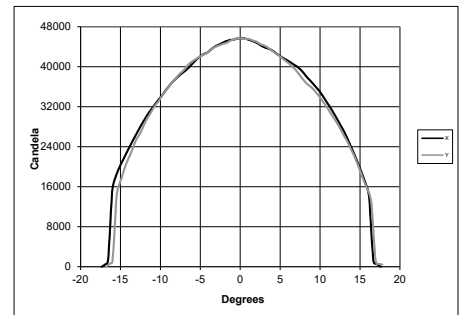
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



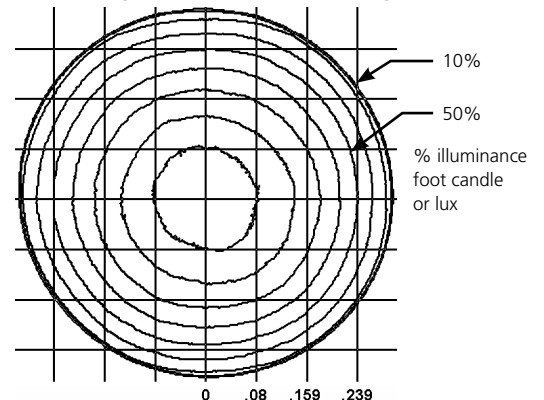
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	213.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	65.2 m
Field Diameter	5.9 ft	8.8 ft	11.8 ft	17.7 ft	-
	1.8 m	2.7 m	3.6 m	5.4 m	-
Illuminance (fc)	457	203	114	51	1
Illuminance (lux)	4,921	2,187	1,230	547	10.76

For field diameter at any distance, multiply distance by 0.589.  
For beam diameter at any distance, multiply by 0.504.

### Candela Plot



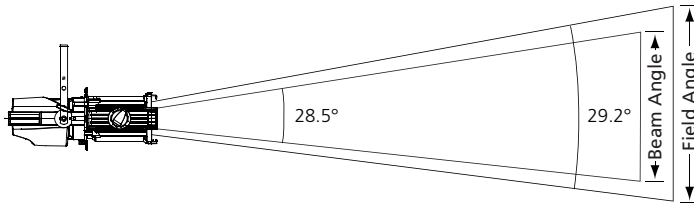
### Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 25-50° Zoom Narrow

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	25°	53,470	9,032	8,871	200	45.2
At 3200 K	25°	36,076	6,094	5,985	144	42.3
At 5600 K	25°	28,542	4,821	4,735	97.5	49.4

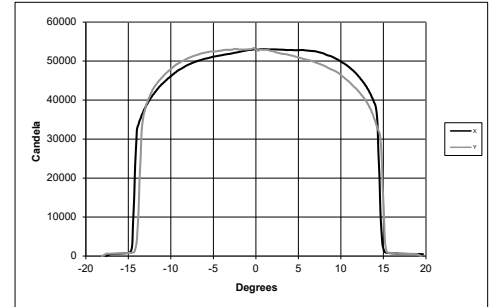
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



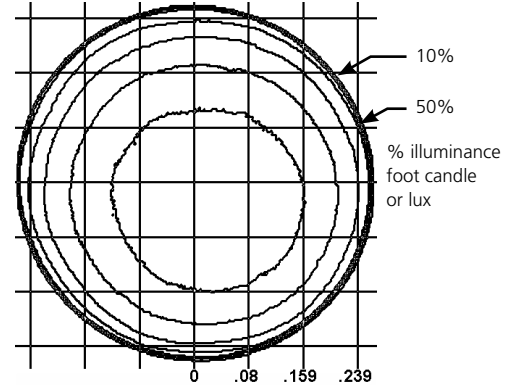
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	231.2 ft
	3.0 m	4.6 m	6.1 m	9.1 m	70.5 m
Field Diameter	5.2 ft	7.8 ft	10.4 ft	15.6 ft	-
	1.6 m	2.4 m	3.2 m	4.8 m	-
Illuminance (fc)	535	238	134	59	1
Illuminance (lux)	5,755	2,558	1,439	639	10.76

For field diameter at any distance, multiply distance by 0.521.  
For beam diameter at any distance, multiply by 0.508.

Candela Plot



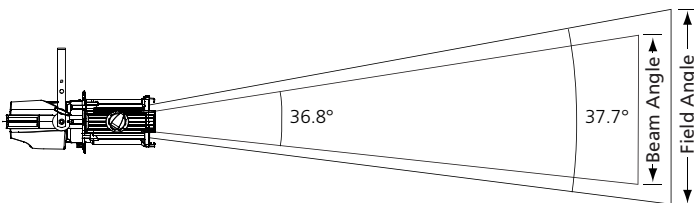
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 25-50° Zoom Mid

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	37°	34,900	9,299	8,744	200	46.5
At 3200 K	37°	23,547	6,274	5,900	144	43.6
At 5600 K	37°	18,630	4,964	4,668	97.5	50.9

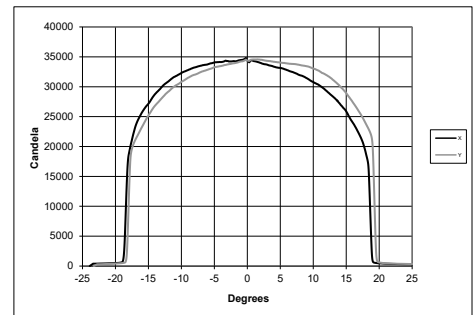
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



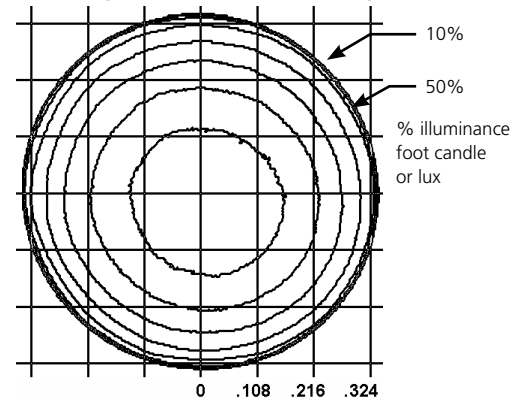
Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	186.8 ft
	3.0 m	4.6 m	6.1 m	9.1 m	56.9 m
Field Diameter	6.8 ft	10.2 ft	13.7 ft	20.5 ft	-
	2.1 m	3.1 m	4.2 m	6.2 m	-
Illuminance (fc)	349	155	87	39	1
Illuminance (lux)	2,896	1,287	724	322	10.76

For field diameter at any distance, multiply distance by 0.683.  
For beam diameter at any distance, multiply by 0.665.

Candela Plot



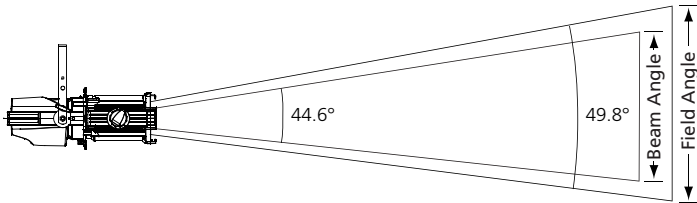
Iso-Illuminance Diagram (Flat Surface Distribution)



ColorSource Spot Pearl 25-50° Zoom Wide

Mode	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
Maximum Output	50°	22,900	9,093	6,713	200	45.5
At 3200 K	50°	15,451	6,135	4,529	144	42.6
At 5600 K	50°	12,224	4,854	3,583	97.5	49.8

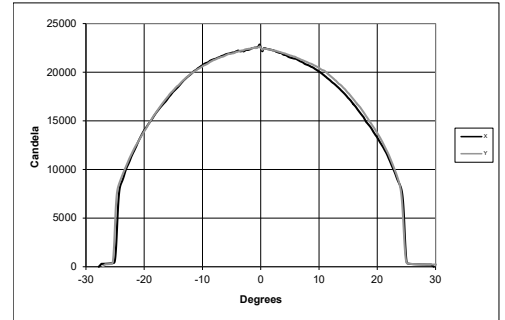
Metric conversions: For meters, multiply feet by 0.3048.  
For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft	15 ft	20 ft	30 ft	151.3 ft
	3.0 m	4.6 m	6.1 m	9.1 m	46.1 m
Field Diameter	9.3 ft	13.9 ft	18.6 ft	27.9 ft	-
	2.8 m	4.2 m	5.7 m	8.5 m	-
Illuminance (fc)	229	102	57	25	1
Illuminance (lux)	2,465	1,096	616	274	10.76

For field diameter at any distance, multiply distance by 0.928.  
For beam diameter at any distance, multiply by 0.820.

Candela Plot



Iso-Illuminance Diagram (Flat Surface Distribution)

