



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702604.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L051702604
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/19/2017
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] CEL-450Q-120U
[LUMINAIRE] **Celeb 450Q, open**
[BALLASTCAT] N/A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[TEST CONDITION] BRIGHTNESS IS SET TO 100%. COLOR TEMPERATURE IS SET TO 6500K.
[MORE] TEST IS PERFORMED WITHOUT LOUVER.
[INPUT] 120VAC, 2.12A, 249.75W, 0.98PF, 15%ATHD
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16658
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	249.75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.24
Spacing Criteria (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.79 ft
Luminous Width (90-270)	2.04 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16064	16051	16076
55	15275	15239	15295
65	14425	14348	14459
75	12357	12164	12403
85	9326	8684	9495

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702604.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	6013	6013	6013	6013	6013
5	5982	5979	5978	5979	5983
10	5888	5885	5885	5886	5890
15	5735	5734	5733	5734	5737
20	5528	5527	5528	5529	5531
25	5271	5270	5272	5272	5274
30	4972	4972	4972	4973	4975
35	4634	4634	4634	4636	4638
40	4261	4261	4261	4263	4266
45	3857	3856	3854	3857	3860
50	3428	3425	3423	3426	3431
55	2975	2972	2968	2973	2979
60	2552	2547	2542	2548	2554
65	2070	2063	2059	2064	2075
70	1572	1562	1558	1563	1576
75	1086	1073	1069	1074	1090
80	641	626	622	628	645
85	276	260	257	262	281
90	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702604.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	4614.51	N.A.	27.70
0-40	7513.71	N.A.	45.10
0-60	13155.56	N.A.	79.00
0-90	16657.5	N.A.	100.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
0-180	16657.5	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	567.85
10-20	1617.52
20-30	2429.14
30-40	2899.21
40-50	2974.69
50-60	2667.15
60-70	2040.07
70-80	1146.53
80-90	315.34
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

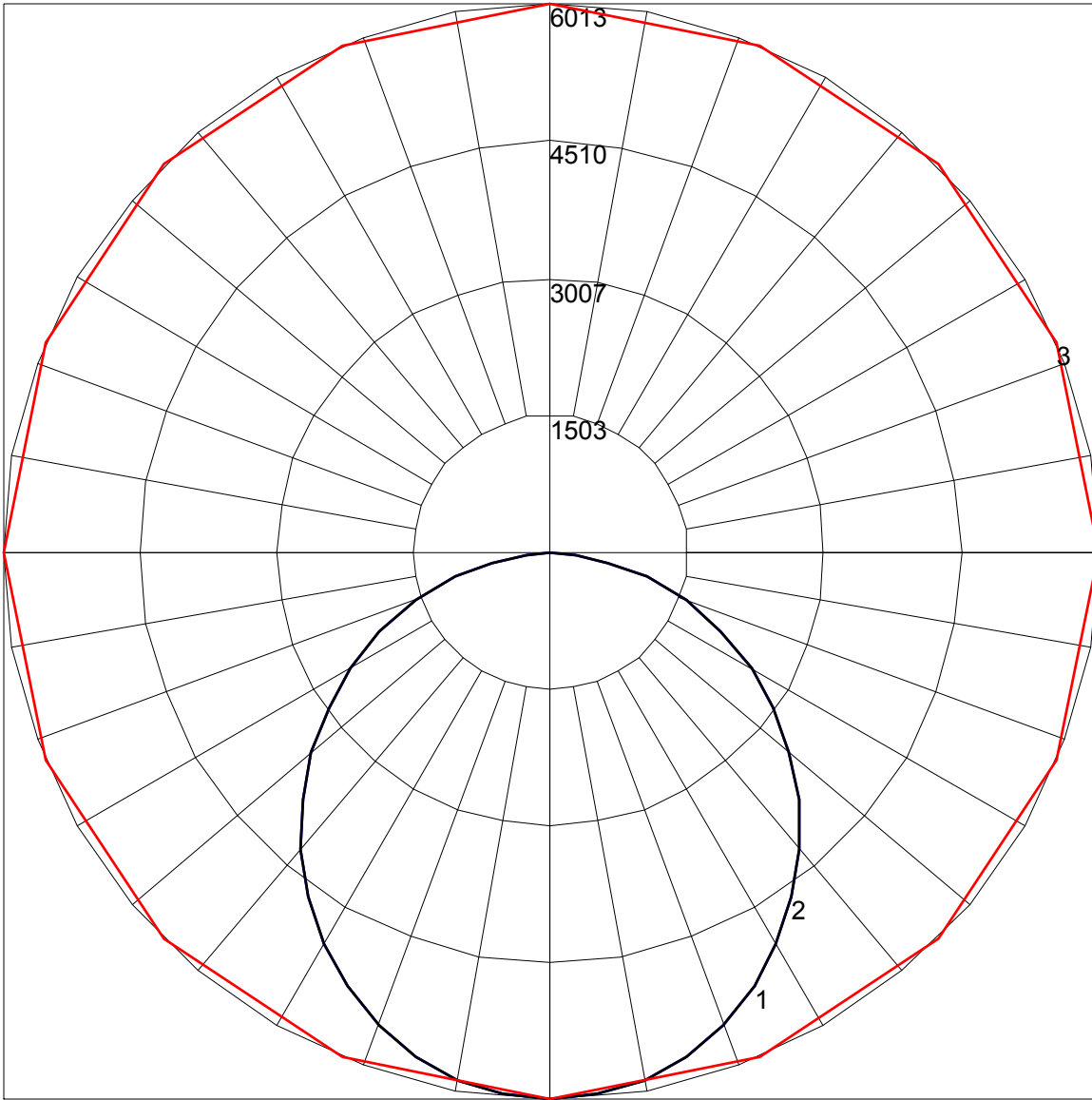
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702604.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70	
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59	
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50	
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43	
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34	
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30	
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27	
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24	

POLAR GRAPH



Maximum Candela = 6013 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)