



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : CELEB 200 OPEN FACE L09137101.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L09137101  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 10/7/2013  
 [MANUFAC] KINO FLO LIGHT SYSTEMS  
 [LUMCAT] CEL-200 C120U  
 [LUMINAIRE] 13-5/8"L. X 23-3/4"W. X 5-3/4"H. LED LUMINAIRE  
 [MORE] DIFFUSED LENS  
 [MORE] NO LOUVER  
 [BALLASTCAT] CUSTOM DRIVER  
 [BALLAST] INPUT: 100-240VAC, 100W, 50/60Hz. OUTPUT: 18-28VDC, 100W  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [\_INPUT] 120VAC, 107.51W  
 [\_TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	107.51
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.22
Spacing Criteria (90-270)	1.24
Spacing Criteria (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.85 ft
Luminous Width (90-270)	1.79 ft
Luminous Height	0.00 ft



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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13424	13604	13804
55	12396	12680	12963
65	11322	11540	12058
75	9066	9148	10104
85	4379	4541	6731

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**CANDELA TABULATION**

	<b>0</b>	<b>5</b>	<b>15</b>	<b>25</b>	<b>35</b>	<b>45</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>
<b>0</b>	2194	2194	2194	2194	2194	2194	2194	2194	2194	2194
<b>5</b>	2174	2174	2174	2175	2176	2178	2180	2181	2182	2182
<b>10</b>	2135	2135	2135	2136	2138	2140	2142	2144	2145	2146
<b>15</b>	2072	2073	2074	2075	2077	2079	2082	2085	2087	2088
<b>20</b>	1990	1990	1992	1993	1996	1999	2002	2006	2008	2010
<b>25</b>	1889	1889	1891	1893	1896	1900	1904	1908	1911	1913
<b>30</b>	1772	1772	1774	1777	1781	1785	1790	1794	1798	1800
<b>35</b>	1641	1641	1643	1647	1651	1657	1662	1666	1670	1672
<b>40</b>	1498	1498	1500	1504	1509	1515	1521	1526	1530	1533
<b>45</b>	1343	1343	1345	1350	1355	1361	1368	1374	1378	1381
<b>50</b>	1178	1178	1181	1186	1192	1199	1205	1212	1216	1220
<b>55</b>	1006	1007	1010	1015	1022	1029	1036	1043	1048	1051
<b>60</b>	854	854	856	860	866	874	882	890	895	899
<b>65</b>	677	678	679	681	684	690	700	709	716	720
<b>70</b>	500	501	501	502	504	509	516	528	537	542
<b>75</b>	332	332	330	329	330	335	342	351	363	370
<b>80</b>	179	179	175	173	174	177	182	191	202	213
<b>85</b>	54	54	53	53	54	56	59	62	70	81
<b>90</b>	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

	<b>90</b>
<b>0</b>	2194
<b>5</b>	2182
<b>10</b>	2146
<b>15</b>	2087
<b>20</b>	2010
<b>25</b>	1913
<b>30</b>	1800
<b>35</b>	1673
<b>40</b>	1533
<b>45</b>	1381
<b>50</b>	1220
<b>55</b>	1052
<b>60</b>	900
<b>65</b>	721
<b>70</b>	542
<b>75</b>	370
<b>80</b>	214
<b>85</b>	83
<b>90</b>	0



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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1668.82	N.A.	28.70
0-40	2704.89	N.A.	46.50
0-60	4679.45	N.A.	80.50
0-90	5816.4	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	5816.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	206.74
10-20	586.54
20-30	875.54
30-40	1036.07
40-50	1050.03
50-60	924.53
60-70	688.33
70-80	365.43
80-90	83.19
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

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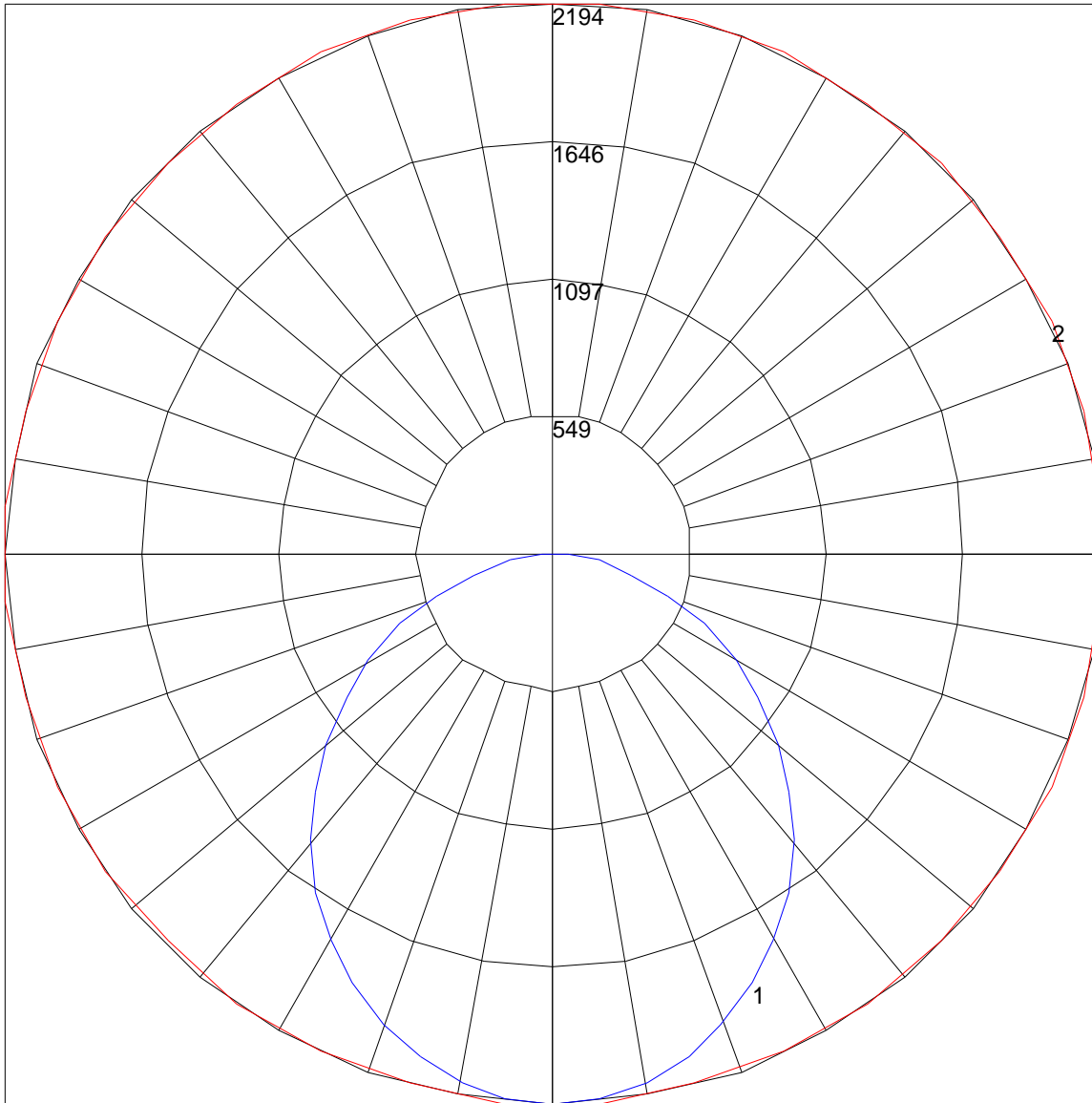
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	61	53	47	59	52	47	57	51	46	44
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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**POLAR GRAPH**



Maximum Candela = 2194 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)