



KINO FLO® LIGHTING SYSTEMS

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CELEB_250_90.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L061702308
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 6/13/2017
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] CEL-250C-120U
[LUMINAIRE] **Celeb 250, 90**
[BALLASTCAT] KINO FLO CEL-250-120U C/Y/P
[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 WITH 90 DEGREE LOUVER.
[INPUT] 120VAC, 1.36A, 162.03W, 0.99PF, 6%ATHD
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1700
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	10
Total Luminaire Watts	162.03
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.66
Spacing Criteria (90-270)	0.66
Spacing Criteria (Diagonal)	0.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.92 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	800	783	778
55	314	282	282
65	294	206	177
75	504	360	240
85	1498	1213	1070

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
1.0	2910	2910	2911	2913	2915	2915	2916	2919	2919	2919
3.0	2835	2835	2835	2835	2835	2836	2838	2840	2842	2845
5.0	2725	2727	2726	2726	2728	2729	2729	2731	2733	2733
7.0	2589	2590	2592	2593	2593	2594	2597	2597	2599	2601
9.0	2437	2437	2436	2439	2440	2441	2445	2445	2448	2450
11.0	2273	2272	2271	2273	2273	2277	2280	2282	2286	2288
13.0	2105	2105	2107	2108	2110	2111	2114	2117	2121	2125
15.0	1936	1937	1939	1941	1943	1946	1949	1952	1955	1959
17.0	1768	1769	1771	1774	1777	1780	1784	1787	1791	1793
19.5	1556	1557	1559	1563	1568	1572	1576	1580	1582	1585
22.5	1299	1300	1303	1307	1312	1318	1323	1326	1328	1330
25.5	1048	1049	1052	1056	1062	1068	1073	1076	1078	1080
29.0	769	770	773	777	782	787	792	796	798	800
33.0	482	483	485	488	491	494	497	501	504	507
37.5	236	235	235	234	234	234	235	237	241	245
42.5	114	114	114	113	112	112	111	111	112	112
47.5	68	68	68	67	67	67	66	66	66	66
55.0	29	29	29	29	28	28	27	27	26	26
65.0	20	20	20	19	19	18	18	16	16	14
75.0	21	21	21	21	20	20	19	18	17	15
85.0	21	21	21	20	19	18	18	17	17	17
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942
1.0	2921	2923	2923	2925	2927	2927	2927	2926	2926
3.0	2847	2847	2848	2850	2850	2851	2851	2850	2851
5.0	2735	2738	2738	2740	2740	2741	2740	2739	2740
7.0	2603	2604	2607	2608	2608	2608	2608	2608	2608
9.0	2452	2454	2456	2457	2458	2458	2457	2457	2458
11.0	2292	2293	2295	2296	2296	2297	2296	2296	2296
13.0	2128	2131	2134	2136	2136	2136	2136	2136	2136
15.0	1962	1965	1968	1971	1972	1973	1973	1974	1974
17.0	1796	1799	1802	1805	1807	1809	1811	1812	1813
19.5	1587	1589	1593	1596	1599	1602	1605	1607	1608
22.5	1332	1334	1338	1341	1346	1350	1353	1356	1358
25.5	1081	1084	1087	1091	1096	1100	1104	1107	1109
29.0	802	804	807	811	816	820	824	826	828
33.0	510	512	515	518	521	524	526	527	528
37.5	248	252	254	255	255	255	254	253	253
42.5	113	113	113	113	113	112	112	111	111
47.5	66	67	67	67	67	66	66	66	66
55.0	25	25	25	25	25	26	26	26	26
65.0	13	12	12	12	12	12	12	12	12
75.0	15	13	12	11	10	10	10	10	10
85.0	17	16	16	16	16	15	15	15	15
90.0	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1260.64	N.A.	74.10
0-40	1514.88	N.A.	89.10
0-60	1642.36	N.A.	96.60
0-90	1700.39	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	1700.39	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.72
10-20	557.14
20-30	497.79
30-40	254.24
40-50	97.58
50-60	29.90
60-70	19.83
70-80	15.77
80-90	22.44
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

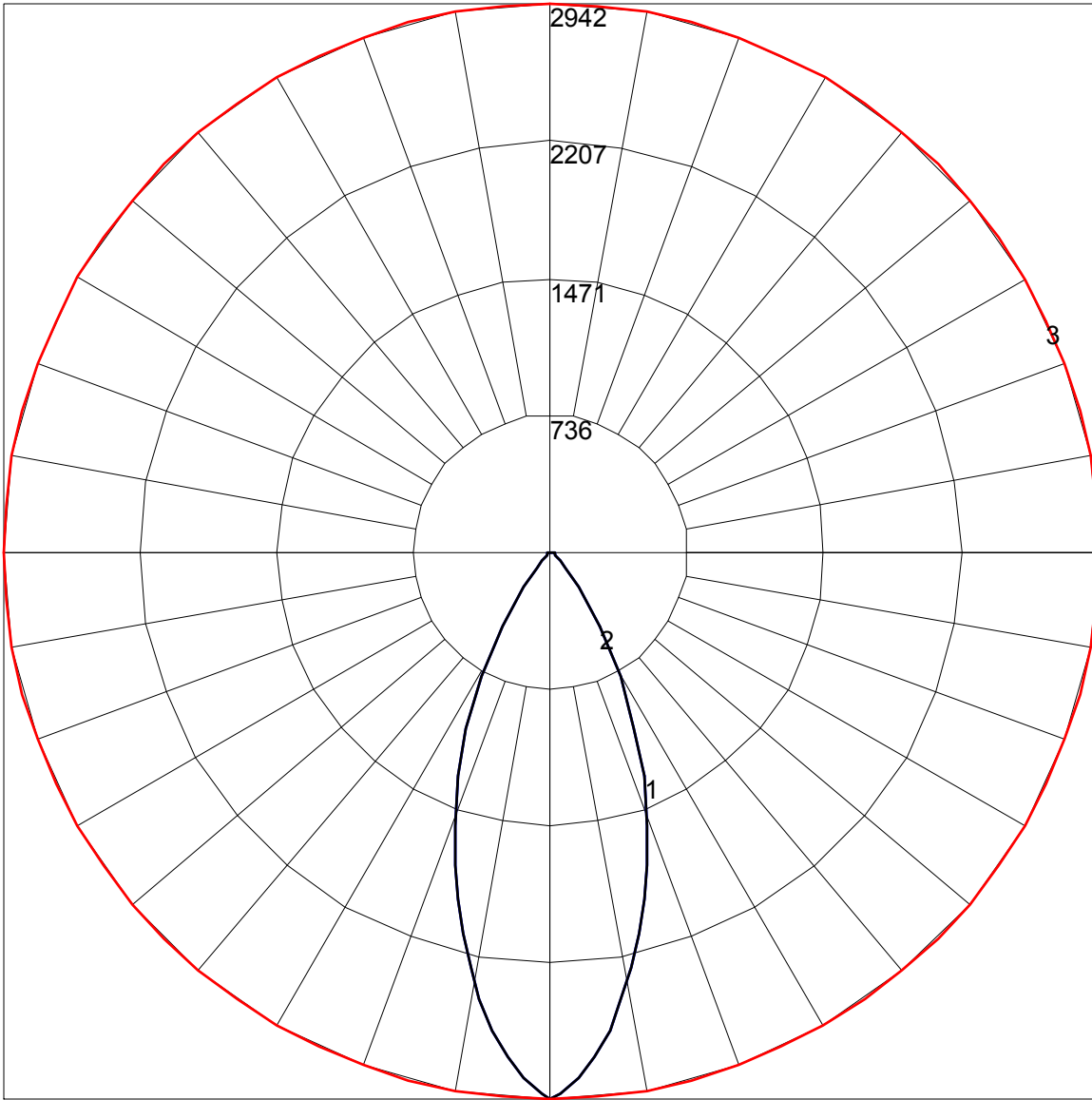
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

POLAR GRAPH



Maximum Candela = 2942 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.)