



KINO FLO® LIGHTING SYSTEMS

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CELEB_250_OPEN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L061702307
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 6/13/2017
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] CEL-250C-120U
[LUMINAIRE] **Celeb 250, open**
[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 WITHOUT LOUVER.
[INPUT] 120VAC, 1.34A, 160.27W, 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	9046
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	160.27
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)	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	18448	18456	18562
55	17496	17420	17604
65	16433	16286	16610
75	13789	13429	14149
85	9488	8846	10415

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3300	3300	3300	3300	3300
5	3276	3278	3282	3285	3286
10	3224	3225	3229	3233	3235
15	3138	3141	3145	3149	3149
20	3026	3026	3029	3035	3034
25	2878	2882	2885	2890	2892
30	2712	2716	2718	2723	2725
35	2526	2528	2530	2537	2535
40	2321	2323	2324	2330	2330
45	2098	2098	2099	2105	2111
50	1861	1860	1859	1866	1874
55	1614	1610	1607	1615	1624
60	1388	1383	1379	1387	1399
65	1117	1110	1107	1115	1129
70	841	831	829	838	855
75	574	560	559	569	589
80	331	315	314	324	345
85	133	126	124	124	146
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2528.21	N.A.	27.90
0-40	4111.7	N.A.	45.50
0-60	7181.42	N.A.	79.40
0-90	9045.69	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	9045.69	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	311.59
10-20	886.96
20-30	1329.67
30-40	1583.49
40-50	1620.88
50-60	1448.84
60-70	1101.42
70-80	605.12
80-90	157.73
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

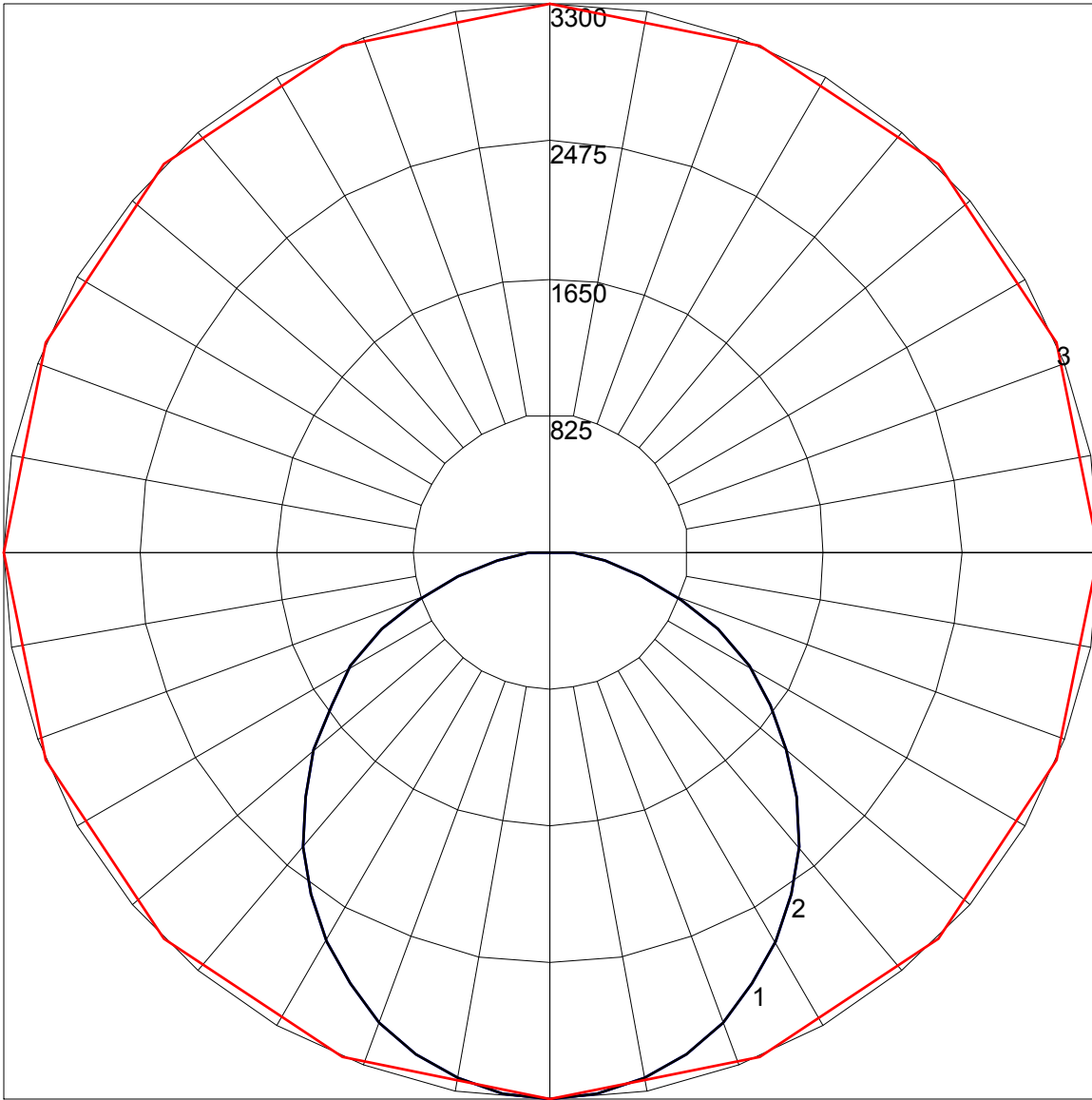
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84	
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70	
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59	
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50	
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44	
6	70	57	48	42	68	56	47	41	54	47	41	52	46	41	51	45	40	38	
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34	
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30	
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27	
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25	

POLAR GRAPH



Maximum Candela = 3300 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.)