



IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702602.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L051702602
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 6/19/2017
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] CEL-450C-120U
[LUMINAIRE] Celeb 450C, 90
[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 WITH 90 DEGREE LOUVER.
[INPUT] 120VAC, 2.1A, 249.46W, 0.98PF, 15%ATHD
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Table with 2 columns: Characteristic Name and Value. Includes Lumens Per Lamp, Total Lamp Lumens, Luminaire Lumens, Total Luminaire Efficiency, Luminaire Efficacy Rating (LER), Total Luminaire Watts, Ballast Factor, CIE Type, Spacing Criteria (0-180), Spacing Criteria (90-270), Spacing Criteria (Diagonal), Basic Luminous Shape, Luminous Length (0-180), Luminous Width (90-270), Luminous Height.



LUMINANCE DATA (cd/sq.m)

Table with 4 columns: Angle In Degrees, Average 0-Deg, Average 45-Deg, Average 90-Deg. Shows luminance values for angles 45, 55, 65, 75, and 85 degrees.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702602.IES

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	5116	5116	5116	5116	5116	5116	5116	5116	5116	5116
1.0	5099	5100	5100	5102	5103	5104	5104	5103	5102	5101
3.0	5008	5008	5009	5011	5013	5014	5013	5012	5011	5009
5.0	4850	4849	4851	4853	4854	4854	4853	4851	4849	4846
7.0	4641	4641	4642	4643	4643	4643	4642	4640	4637	4633
9.0	4399	4398	4399	4400	4400	4399	4398	4395	4392	4388
11.0	4132	4132	4132	4133	4132	4132	4129	4126	4122	4117
13.0	3857	3856	3856	3856	3855	3854	3851	3846	3842	3836
15.0	3572	3571	3570	3571	3570	3567	3563	3558	3553	3546
17.0	3287	3287	3286	3284	3282	3279	3274	3269	3264	3257
19.5	2928	2926	2924	2921	2917	2914	2909	2903	2899	2892
22.5	2492	2489	2486	2482	2476	2472	2465	2460	2456	2451
25.5	2060	2057	2053	2048	2041	2034	2028	2023	2018	2014
29.0	1569	1567	1563	1558	1551	1544	1538	1532	1528	1524
33.0	1038	1036	1035	1032	1026	1021	1016	1011	1007	1003
37.5	545	545	546	546	545	542	539	535	530	524
42.5	239	239	240	241	241	240	238	235	232	228
47.5	131	131	131	131	132	132	131	131	130	129
55.0	53	53	53	52	52	51	51	51	53	56
65.0	21	22	22	22	22	22	28	33	38	45
75.0	18	18	18	18	24	33	37	43	49	55
85.0	27	27	30	34	38	42	46	49	53	56
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	5116	5116	5116	5116	5116	5116	5116	5116	5116
1.0	5099	5097	5095	5093	5092	5090	5088	5087	5086
3.0	5006	5003	5000	4997	4994	4992	4989	4988	4986
5.0	4842	4838	4835	4831	4827	4824	4821	4820	4818
7.0	4629	4624	4620	4615	4611	4607	4604	4602	4601
9.0	4383	4377	4372	4366	4361	4357	4352	4350	4349
11.0	4111	4104	4098	4091	4085	4081	4077	4075	4073
13.0	3829	3822	3815	3809	3802	3797	3793	3790	3788
15.0	3540	3533	3527	3520	3513	3508	3504	3500	3499
17.0	3251	3245	3238	3230	3224	3219	3213	3210	3207
19.5	2888	2882	2874	2867	2860	2852	2846	2843	2841
22.5	2445	2440	2433	2425	2417	2407	2402	2398	2396
25.5	2010	2005	1998	1989	1981	1973	1967	1962	1960
29.0	1520	1516	1510	1502	1494	1487	1481	1477	1475
33.0	999	994	988	982	977	973	969	966	965
37.5	518	512	507	503	501	501	500	500	500
42.5	224	221	219	218	218	219	220	220	220
47.5	128	129	130	132	134	136	138	139	139
55.0	61	66	70	73	76	78	79	80	80
65.0	51	56	61	65	68	71	73	74	75
75.0	61	66	71	75	78	81	83	84	84
85.0	60	62	65	68	70	72	74	75	76
90.0	0	0	0	0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702602.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2295.49	N.A.	70.90
0-40	2797.8	N.A.	86.40
0-60	3062.63	N.A.	94.60
0-90	3236.54	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	3236.54	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	364.86
10-20	1007.27
20-30	923.36
30-40	502.31
40-50	202.51
50-60	62.33
60-70	51.18
70-80	50.49
80-90	72.24
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

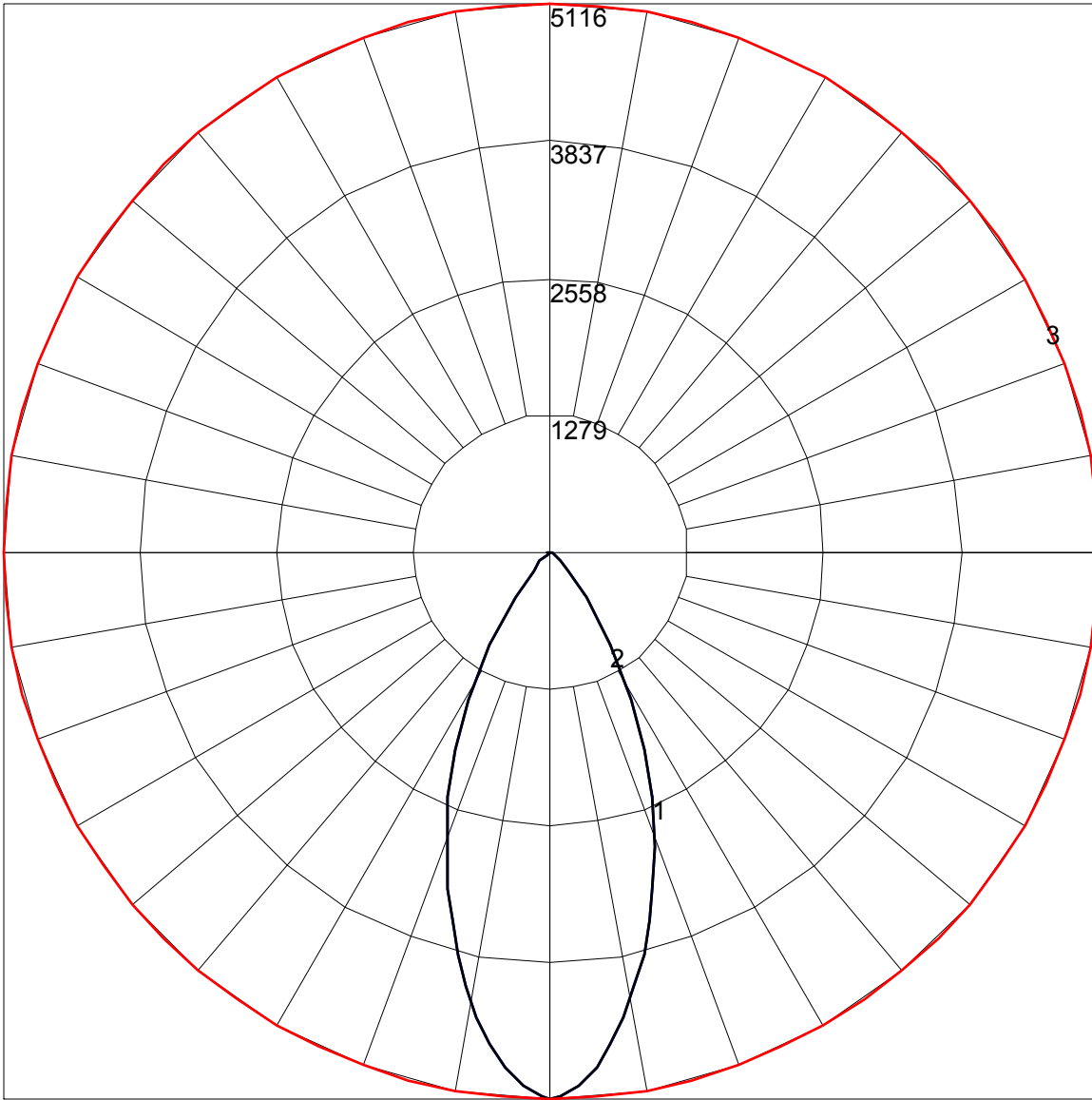
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702602.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	70	68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64
7	82	73	67	63	81	72	66	62	71	66	62	70	65	62	69	64	61	60
8	79	69	63	59	77	68	63	59	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	50

POLAR GRAPH



Maximum Candela = 5116 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.)