



IES INDOOR REPORT

PHOTOMETRIC FILENAME : L011508001.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L011508001
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 1/22/2015
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] P61-LED-4LO-PCL
 [LUMINAIRE] 6"SQ. X 48"L. LED LUMINAIRE
 [MORE] WHITE REFLECTOR WITH CLEAR LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT30W/PRG1050C/UNV/DIM/L
 [BALLAST] INPUT: 120-277VAC, 0.31-0.15A, 50/60Hz. OUTPUT: 30W, 10-55VDC, 350-1050mA
 [LAMP CAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 21.02W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1877
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	21.02
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8543	2178	2274
55	8203	2210	1869
65	7107	1671	1490
75	4471	1183	1151
85	1074	1269	1074

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026
5	1022	1022	1022	1021	1023	1025	1028	1029	1031	1033
10	1013	1014	1013	1013	1016	1019	1021	1024	1026	1027
15	993	993	993	996	1001	1006	1002	986	964	943
20	963	964	967	971	975	954	921	900	898	895
25	928	929	933	939	912	869	859	858	854	851
30	883	886	892	877	825	814	810	806	806	809
35	833	836	844	788	761	757	753	753	758	759
40	777	780	769	703	699	693	693	697	701	685
45	710	715	670	631	624	626	629	631	266	181
50	632	637	569	551	548	550	529	163	164	167
55	553	555	480	471	472	450	144	146	149	149
60	460	440	389	384	376	123	125	128	121	115
65	353	321	290	290	98	101	99	92	87	83
70	242	210	193	73	75	69	64	61	59	57
75	136	109	74	48	43	40	39	37	37	36
80	50	41	25	23	22	21	21	22	22	22
85	11	11	11	11	12	12	13	13	13	13
90	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	
0	1026	1026	1026	1026	1026	1026	1026	1026	1026	
5	1034	1035	1033	1032	1032	1031	1030	1032	1034	
10	1020	1012	1006	1000	995	987	980	978	976	
15	931	925	925	924	924	926	925	919	921	
20	895	891	895	889	888	887	890	887	889	
25	854	853	853	859	858	857	860	862	858	
30	810	813	818	819	823	822	823	827	822	
35	763	766	700	367	213	210	211	211	212	
40	272	196	197	199	200	201	202	204	204	
45	183	185	186	188	189	189	189	189	189	
50	169	169	166	162	159	157	156	156	156	
55	143	138	134	131	129	128	127	126	126	
60	111	107	104	102	101	100	99	99	99	
65	80	78	77	76	75	74	74	74	74	
70	55	54	54	53	53	53	53	53	53	
75	36	36	35	35	35	35	35	35	35	
80	22	22	22	23	23	23	24	24	24	
85	13	12	12	12	11	11	11	11	11	
90	0	0	0	0	0	0	0	0	0	

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	368.50	N.A.	19.60
0-30	772.13	N.A.	41.10
0-40	1165.3	N.A.	62.10
0-60	1684.53	N.A.	89.70
0-80	1864.08	N.A.	99.30
0-90	1877.16	N.A.	100.00
10-90	1779.73	N.A.	94.80
20-40	796.80	N.A.	42.40
20-50	1096.43	N.A.	58.40
40-70	646.99	N.A.	34.50
60-80	179.55	N.A.	9.60
70-80	51.79	N.A.	2.80
80-90	13.08	N.A.	0.70
90-110	0.00	N.A.	0.00
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
110-180	0.00	N.A.	0.00
0-180	1877.16	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.44
10-20	271.06
20-30	403.63
30-40	393.17
40-50	299.63
50-60	219.60
60-70	127.76
70-80	51.79
80-90	13.08
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

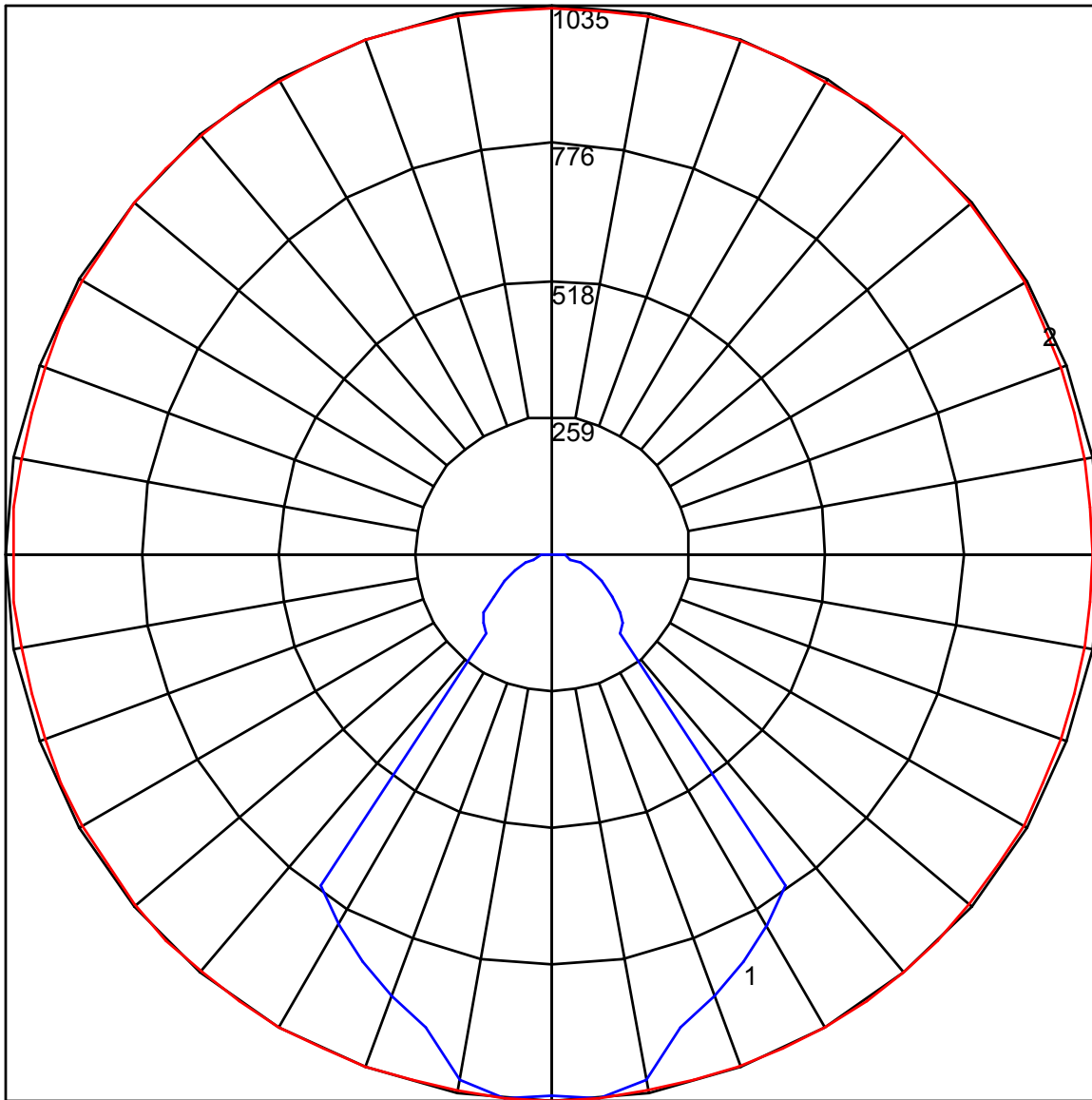
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	65	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	71	59	52	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

POLAR GRAPH



Maximum Candela = 1035 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)