

Day-Brite



by Signify

IES INDOOR REPORT PHOTOMETRIC FILENAME : 29611.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29611
[TESTDATE] 08/05/2011
[OTHER] TOTAL LUMEN OUTPUT = 3154 LUMENS
[LUMCAT] LPL4L45-UNV
[LUMINAIRE] LPL LED SERIES 4 FOOT W/50%DF LENS
[LAMP] 45WLED
[BALLAST] LG1T55W
[MANUFAC] DAY-BRITE / CFI
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS NVLAP LABORATORY
[MORE] CODE 200016-0
[ISSUEDATE] 8/9/2011
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0e (2011-02)(90)
[_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08
[_TEST_DISTANCE] 26 ft.
[_SHIELDING_ANGLE] Normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3154
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.67 ft
Luminous Height	0.15 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3405	3153	3193
55	3194	2960	3142
65	2835	2781	3125
75	2221	2636	3142
85	1144	2638	3394

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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	912	912	912	912	912
5	914	914	908	904	901
10	903	900	897	893	889
15	880	877	876	877	874
20	851	850	852	855	854
25	814	815	821	826	826
30	772	776	781	789	790
35	719	724	736	747	748
40	659	669	683	697	703
45	594	605	626	646	654
50	529	542	566	598	611
55	459	474	508	551	562
60	384	403	450	495	514
65	308	331	388	443	461
70	229	261	330	388	408
75	156	200	272	334	351
80	89	142	218	278	297
85	34	92	168	225	246
90	6	52	128	187	203
95	0	33	101	154	171
100	0	18	80	126	142
105	0	9	58	101	116
110	0	2	36	76	89
115	1	1	21	55	66
120	1	0	9	33	43
125	1	0	3	17	24
130	1	1	1	5	10
135	1	1	1	1	3
140	2	2	2	2	2
145	2	2	2	2	2
150	2	2	2	2	2
155	2	2	2	2	2
160	2	2	3	2	2
165	3	3	3	3	3
170	3	3	3	3	3
175	3	3	3	3	4
180	3	3	3	3	3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	334.02	N.A.	10.60
0-30	712.24	N.A.	22.60
0-40	1172.13	N.A.	37.20
0-60	2112.32	N.A.	67.00
0-80	2776.03	N.A.	88.00
0-90	2950.00	N.A.	93.50
10-90	2863.67	N.A.	90.80
20-40	838.11	N.A.	26.60
20-50	1321.57	N.A.	41.90
40-70	1323.42	N.A.	42.00
60-80	663.71	N.A.	21.00
70-80	280.48	N.A.	8.90
80-90	173.97	N.A.	5.50
90-110	163.23	N.A.	5.20
90-120	190.86	N.A.	6.10
90-130	198.89	N.A.	6.30
90-150	201.63	N.A.	6.40
90-180	203.66	N.A.	6.50
110-180	40.43	N.A.	1.30
0-180	3153.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.33
10-20	247.69
20-30	378.22
30-40	459.89
40-50	483.46
50-60	456.73
60-70	383.23
70-80	280.48
80-90	173.97
90-100	103.25
100-110	59.98
110-120	27.63
120-130	8.02
130-140	1.49
140-150	1.26
150-160	0.95
160-170	0.79
170-180	0.29

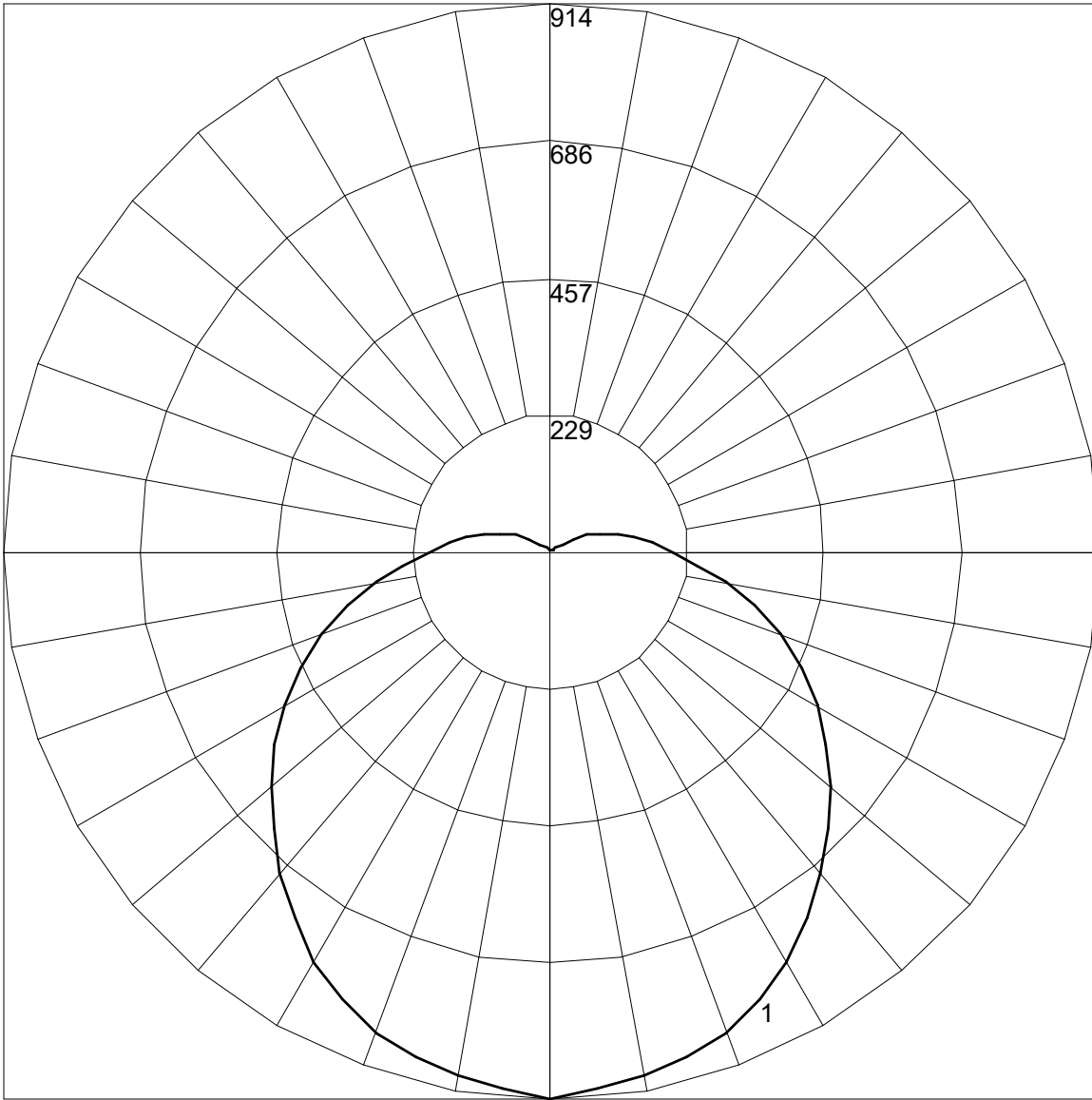
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	105	100	95	90	102	97	92	88	91	88	84	86	83	80	82	79	77	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	53	48	58	51	46	55	49	45	42
5	72	59	49	42	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	36	49	41	36	47	40	35	45	39	34	32
7	62	48	39	32	60	47	38	32	44	37	31	42	36	31	41	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	31	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

POLAR GRAPH



Maximum Candela = 914 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)