

Day-Brite



by Signify

IES INDOOR REPORT PHOTOMETRIC FILENAME : 29555.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29555
[TESTDATE] 07/18/2011
[OTHER] TOTAL LUMEN OUTPUT = 3512 LUMENS
[LUMCAT] LPL4L53-UNV
[LUMINAIRE] LPL LED SERIES 4 FOOT W/50%DF LENS
[LAMP] 53WLED
[BALLAST] LGIT55W
[MANUFAC] DAY-BRITE / CFI
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS NVLAP LABORATORY
[MORE] CODE 200016-0
[ISSUE DATE] 7/18/2011
[_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	3512
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	52
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	3835	3551	3608
55	3556	3303	3533
65	3075	3096	3470
75	2363	2898	3446
85	909	2858	3711

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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	1035	1035	1035	1035	1035
5	1036	1039	1038	1028	1027
10	1022	1028	1027	1014	1014
15	999	1004	1001	998	997
20	968	969	974	971	974
25	926	926	933	935	938
30	877	877	888	894	893
35	816	820	837	846	851
40	744	751	775	788	793
45	669	679	705	729	739
50	594	604	638	670	683
55	511	524	567	613	632
60	422	439	501	552	570
65	334	359	432	491	512
70	245	286	366	426	448
75	166	214	299	364	385
80	87	147	238	304	325
85	27	92	182	248	269
90	1	55	139	201	220
95	0	33	111	169	187
100	1	16	82	137	152
105	0	5	59	106	120
110	1	1	38	78	92
115	1	1	19	53	66
120	1	1	8	33	43
125	1	1	1	15	22
130	1	1	1	4	8
135	1	1	1	1	1
140	2	1	2	1	1
145	1	1	1	1	1
150	2	2	2	2	2
155	3	3	3	3	3
160	4	4	4	4	4
165	4	4	4	4	4
170	4	4	4	4	4
175	4	4	4	4	4
180	4	4	4	4	4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	380.70	N.A.	10.80
0-30	810.27	N.A.	23.10
0-40	1331.31	N.A.	37.90
0-60	2384.25	N.A.	67.90
0-80	3112.16	N.A.	88.60
0-90	3298.94	N.A.	93.90
10-90	3200.65	N.A.	91.10
20-40	950.61	N.A.	27.10
20-50	1494.84	N.A.	42.60
40-70	1475.48	N.A.	42.00
60-80	727.91	N.A.	20.70
70-80	305.36	N.A.	8.70
80-90	186.78	N.A.	5.30
90-110	173.14	N.A.	4.90
90-120	200.59	N.A.	5.70
90-130	208.06	N.A.	5.90
90-150	210.07	N.A.	6.00
90-180	212.95	N.A.	6.10
110-180	39.81	N.A.	1.10
0-180	3511.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.28
10-20	282.42
20-30	429.57
30-40	521.04
40-50	544.23
50-60	508.71
60-70	422.55
70-80	305.36
80-90	186.78
90-100	111.20
100-110	61.94
110-120	27.45
120-130	7.47
130-140	1.17
140-150	0.84
150-160	1.37
160-170	1.13
170-180	0.38

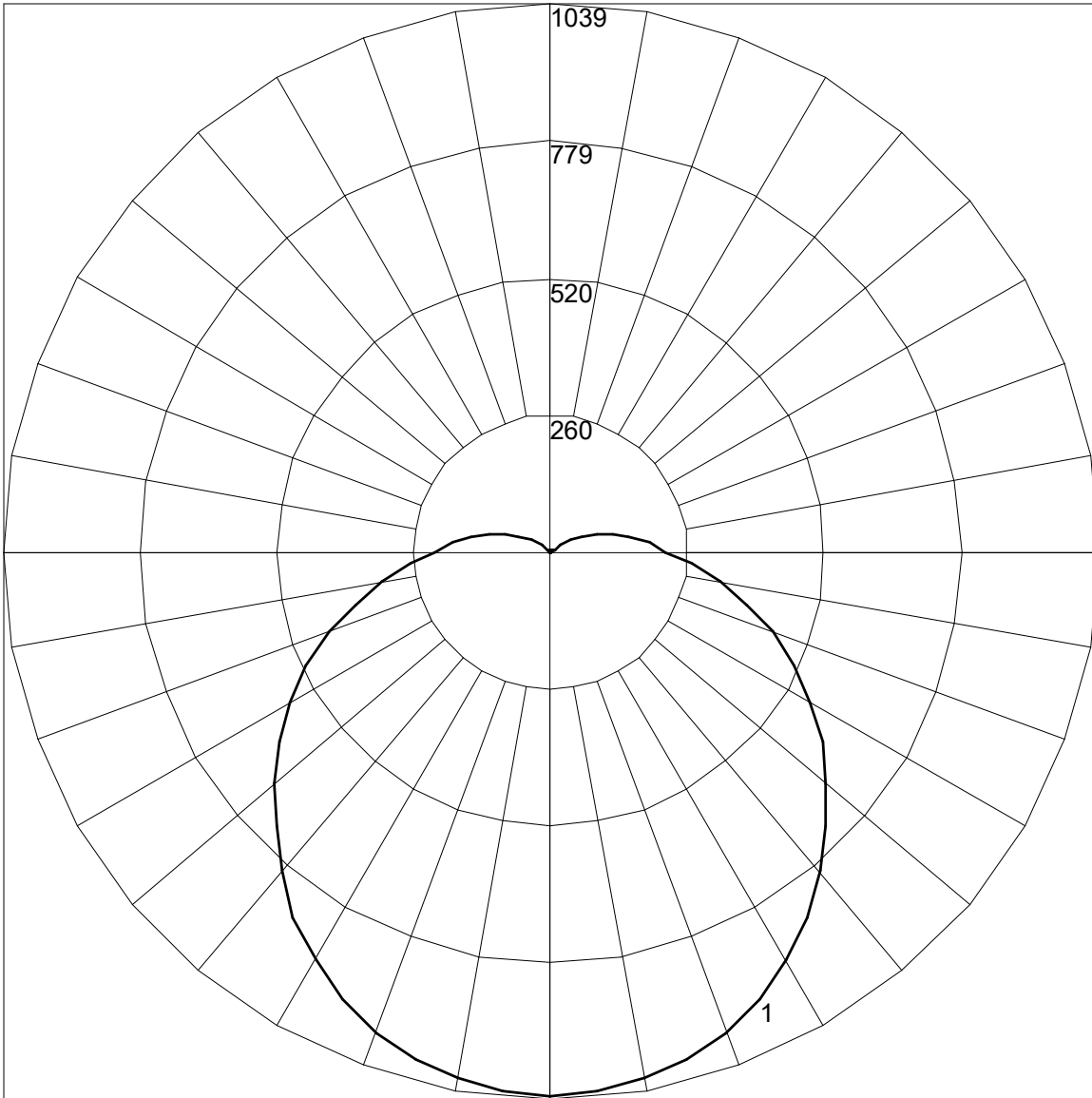
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	77	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	61
3	87	75	67	60	84	73	65	59	69	62	57	66	60	55	62	58	53	51
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	46	43
5	73	59	50	43	70	58	49	42	55	47	41	52	46	40	50	44	39	37
6	67	53	44	37	65	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	39	32	45	37	32	43	36	31	41	35	31	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	38	32	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	25	23
10	50	37	29	24	49	36	29	23	35	28	23	34	27	23	32	26	22	20

POLAR GRAPH



Maximum Candela = 1039 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)