

Day-Brite



by Signify

IES INDOOR REPORT PHOTOMETRIC FILENAME : 30400.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 30400
[TESTDATE] 03/30/2012
[OTHER] TOTAL LUMEN OUTPUT = 2081 LUMEMS
[LUMCAT] LPL2L30-UNV
[LUMINAIRE] LPL LED SERIES 2 FOOT W/ 50%DF LENS
[LAMP] 30WLED
[BALLAST] LG LED DRIVER
[MANUFAC] DAY-BRITE / CFI
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS NVLAP LABORATORY
[MORE] CODE 200016-0
[ISSUE DATE] 3/30/2012
[_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	2081
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.83 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	4610	4306	4503
55	4229	3985	4337
65	3735	3713	4152
75	2831	3348	3987
85	1428	3079	4038

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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	625	625	625	625	625
5	621	619	621	625	626
10	612	611	614	617	616
15	597	597	599	606	605
20	577	580	583	586	588
25	549	556	556	561	563
30	519	522	527	534	537
35	484	488	494	502	507
40	444	450	457	469	474
45	400	406	419	434	441
50	360	363	378	400	407
55	307	317	338	363	371
60	259	271	298	323	335
65	210	224	259	288	293
70	157	177	217	247	253
75	108	135	176	207	213
80	61	94	138	167	176
85	27	62	104	134	140
90	7	38	78	107	115
95	1	23	60	87	95
100	0	13	47	72	79
105	0	6	34	58	64
110	0	2	22	44	50
115	0	0	13	30	36
120	0	0	5	20	24
125	1	1	2	10	13
130	0	0	0	4	5
135	1	1	1	1	1
140	0	0	0	0	0
145	1	1	1	1	1
150	1	1	1	1	1
155	1	1	1	1	1
160	1	1	1	1	1
165	1	1	1	1	1
170	1	1	1	1	1
175	1	1	1	1	1
180	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	228.73	N.A.	11.00
0-30	485.62	N.A.	23.30
0-40	795.31	N.A.	38.20
0-60	1423.61	N.A.	68.40
0-80	1855.92	N.A.	89.20
0-90	1962.82	N.A.	94.30
10-90	1903.69	N.A.	91.50
20-40	566.58	N.A.	27.20
20-50	891.12	N.A.	42.80
40-70	880.98	N.A.	42.30
60-80	432.31	N.A.	20.80
70-80	179.62	N.A.	8.60
80-90	106.90	N.A.	5.10
90-110	95.56	N.A.	4.60
90-120	111.27	N.A.	5.30
90-130	116.00	N.A.	5.60
90-150	117.18	N.A.	5.60
90-180	118.02	N.A.	5.70
110-180	22.46	N.A.	1.10
0-180	2080.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.13
10-20	169.61
20-30	256.89
30-40	309.69
40-50	324.54
50-60	303.76
60-70	252.68
70-80	179.62
80-90	106.90
90-100	60.82
100-110	34.74
110-120	15.70
120-130	4.73
130-140	0.72
140-150	0.46
150-160	0.46
160-170	0.28
170-180	0.10

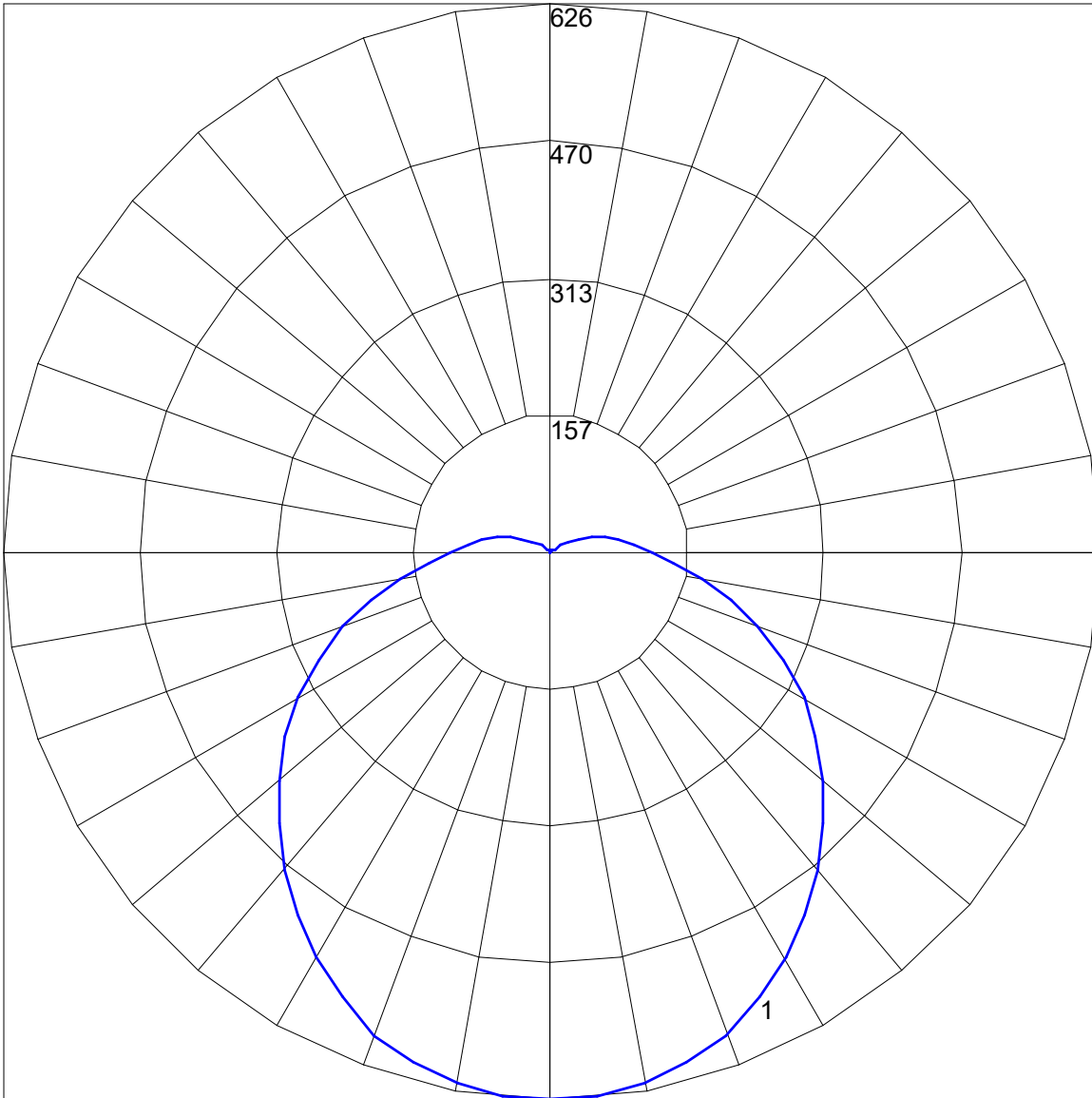
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	97	97	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	83	80	78	75
2	96	87	79	73	92	84	77	71	80	74	69	75	71	66	71	68	64	62
3	87	76	67	60	84	73	65	59	70	63	57	66	60	55	63	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	59	52	47	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	37
6	67	53	44	37	65	52	43	37	50	42	36	47	41	36	45	39	35	33
7	62	48	39	33	60	47	39	33	45	38	32	43	36	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	40	33	28	38	32	28	25
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 626 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)