

# Day-Brite



by Signify

## IES INDOOR REPORT PHOTOMETRIC FILENAME : 29618.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29618  
[TESTDATE] 08/08/2011  
[OTHER] TOTAL LUMEN OUTPUT = 2232 LUMENS  
[LUMCAT] LPL4L30-UNV  
[LUMINAIRE] LPL LED SERIES 4 FOOT W/ 50%DF LENS  
[LAMP] 30WLED  
[BALLAST] LGIT55W  
[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	2232
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	30
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	2431	2246	2261
55	2268	2109	2219
65	1998	1992	2210
75	1552	1880	2211
85	808	1884	2359

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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>
<b>0</b>	646	646	646	646	646
<b>5</b>	648	648	645	640	637
<b>10</b>	639	640	637	632	631
<b>15</b>	626	626	624	621	620
<b>20</b>	604	606	607	606	605
<b>25</b>	578	582	584	583	586
<b>30</b>	547	550	555	563	558
<b>35</b>	510	514	523	526	531
<b>40</b>	469	474	487	495	498
<b>45</b>	424	430	446	457	463
<b>50</b>	376	383	403	422	429
<b>55</b>	326	334	362	386	397
<b>60</b>	272	283	320	350	363
<b>65</b>	217	231	278	313	326
<b>70</b>	163	183	235	273	287
<b>75</b>	109	139	194	234	247
<b>80</b>	62	97	156	195	210
<b>85</b>	24	61	120	159	171
<b>90</b>	5	36	92	129	140
<b>95</b>	0	22	74	109	121
<b>100</b>	0	11	56	89	100
<b>105</b>	0	4	39	69	78
<b>110</b>	0	2	27	53	63
<b>115</b>	1	1	16	38	47
<b>120</b>	1	1	7	24	31
<b>125</b>	1	1	2	13	17
<b>130</b>	1	1	1	4	8
<b>135</b>	1	1	1	1	2
<b>140</b>	1	1	1	1	1
<b>145</b>	1	1	1	1	1
<b>150</b>	1	1	1	1	1
<b>155</b>	1	1	1	1	1
<b>160</b>	2	2	2	3	2
<b>165</b>	3	3	3	3	3
<b>170</b>	3	2	2	3	2
<b>175</b>	3	2	2	3	2
<b>180</b>	3	3	3	3	3

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	237.24	N.A.	10.60
0-30	505.90	N.A.	22.70
0-40	832.15	N.A.	37.30
0-60	1498.1	N.A.	67.10
0-80	1966.42	N.A.	88.10
0-90	2088.32	N.A.	93.60
10-90	2027.11	N.A.	90.80
20-40	594.91	N.A.	26.70
20-50	938.02	N.A.	42.00
40-70	936.83	N.A.	42.00
60-80	468.32	N.A.	21.00
70-80	197.44	N.A.	8.80
80-90	121.89	N.A.	5.50
90-110	113.92	N.A.	5.10
90-120	133.83	N.A.	6.00
90-130	139.98	N.A.	6.30
90-150	141.75	N.A.	6.40
90-180	143.33	N.A.	6.40
110-180	29.41	N.A.	1.30
0-180	2231.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	61.21
10-20	176.03
20-30	268.66
30-40	326.25
40-50	343.11
50-60	322.84
60-70	270.88
70-80	197.44
80-90	121.89
90-100	72.76
100-110	41.16
110-120	19.90
120-130	6.15
130-140	1.15
140-150	0.63
150-160	0.59
160-170	0.75
170-180	0.23

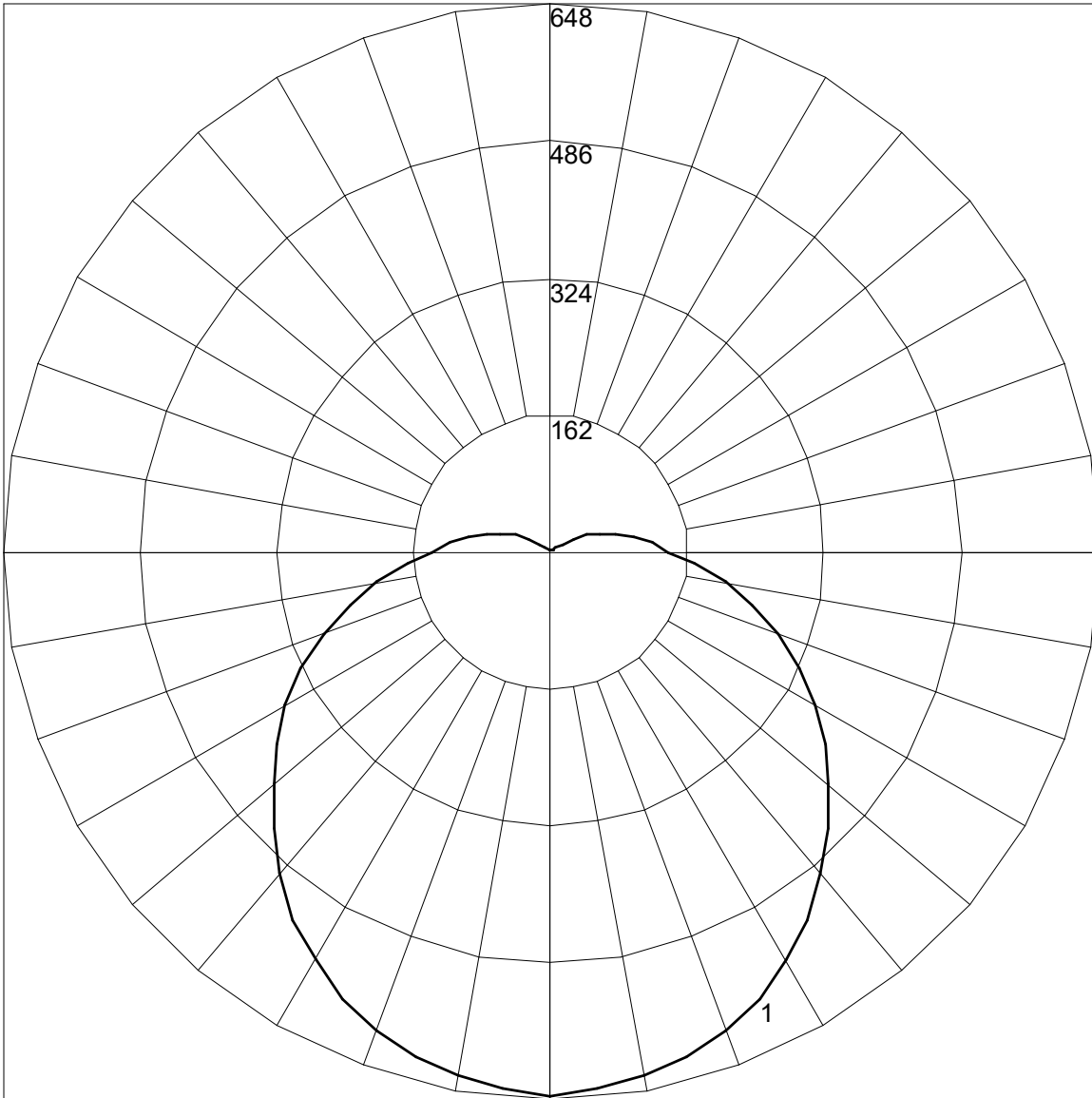
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	118	118	118	118	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	84	77	71	79	73	68	75	70	66	71	67	63	61
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	54	48	58	51	46	55	49	45	43
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	44	39	37
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	45	39	34	32
7	62	48	39	32	60	47	38	32	45	37	31	43	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	32	26	52	39	31	26	37	30	25	36	29	25	34	29	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 = 648 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)