

# Day-Brite



by Signify

## IES INDOOR REPORT PHOTOMETRIC FILENAME : 29615.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29615  
[TESTDATE] 08/08/2011  
[OTHER] TOTAL LUMEN OUTPUT = 2831 LUMENS  
[LUMCAT] LPL4L38-UNV  
[LUMINAIRE] LPL LED SERIES 4 FOOT W/50%DF LENS  
[LAMP] 38WLED  
[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	2831
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
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	3073	2841	2857
55	2867	2662	2801
65	2532	2537	2792
75	1993	2394	2820
85	976	2418	3021

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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>	817	817	817	817	817
<b>5</b>	822	820	811	803	803
<b>10</b>	811	809	800	799	799
<b>15</b>	792	790	789	780	781
<b>20</b>	765	765	762	762	764
<b>25</b>	730	734	733	743	738
<b>30</b>	698	695	705	707	709
<b>35</b>	648	649	660	664	666
<b>40</b>	592	601	614	625	628
<b>45</b>	536	543	564	579	585
<b>50</b>	477	487	510	534	546
<b>55</b>	412	425	457	490	501
<b>60</b>	345	359	405	444	460
<b>65</b>	275	296	354	397	412
<b>70</b>	206	233	301	349	363
<b>75</b>	140	178	247	298	315
<b>80</b>	78	126	196	247	266
<b>85</b>	29	80	154	205	219
<b>90</b>	5	49	118	166	180
<b>95</b>	0	30	94	139	154
<b>100</b>	0	16	73	116	129
<b>105</b>	1	7	50	89	101
<b>110</b>	1	2	36	70	81
<b>115</b>	0	1	20	49	60
<b>120</b>	0	0	9	30	39
<b>125</b>	1	1	3	16	22
<b>130</b>	1	1	1	5	9
<b>135</b>	1	2	2	2	3
<b>140</b>	1	1	1	1	1
<b>145</b>	1	1	1	1	1
<b>150</b>	2	2	2	2	1
<b>155</b>	2	2	2	2	2
<b>160</b>	2	2	2	2	2
<b>165</b>	3	3	4	3	3
<b>170</b>	3	3	3	3	3
<b>175</b>	3	3	3	3	4
<b>180</b>	3	3	3	3	3

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	299.26	N.A.	10.60
0-30	638.57	N.A.	22.60
0-40	1050.75	N.A.	37.10
0-60	1893.96	N.A.	66.90
0-80	2489.83	N.A.	87.90
0-90	2646.07	N.A.	93.50
10-90	2568.83	N.A.	90.70
20-40	751.49	N.A.	26.50
20-50	1185.56	N.A.	41.90
40-70	1187.53	N.A.	41.90
60-80	595.87	N.A.	21.00
70-80	251.55	N.A.	8.90
80-90	156.25	N.A.	5.50
90-110	147.62	N.A.	5.20
90-120	173.01	N.A.	6.10
90-130	180.58	N.A.	6.40
90-150	182.90	N.A.	6.50
90-180	184.91	N.A.	6.50
110-180	37.29	N.A.	1.30
0-180	2830.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	77.24
10-20	222.02
20-30	339.32
30-40	412.18
40-50	434.06
50-60	409.15
60-70	344.31
70-80	251.55
80-90	156.25
90-100	93.80
100-110	53.82
110-120	25.40
120-130	7.57
130-140	1.57
140-150	0.76
150-160	0.91
160-170	0.80
170-180	0.29

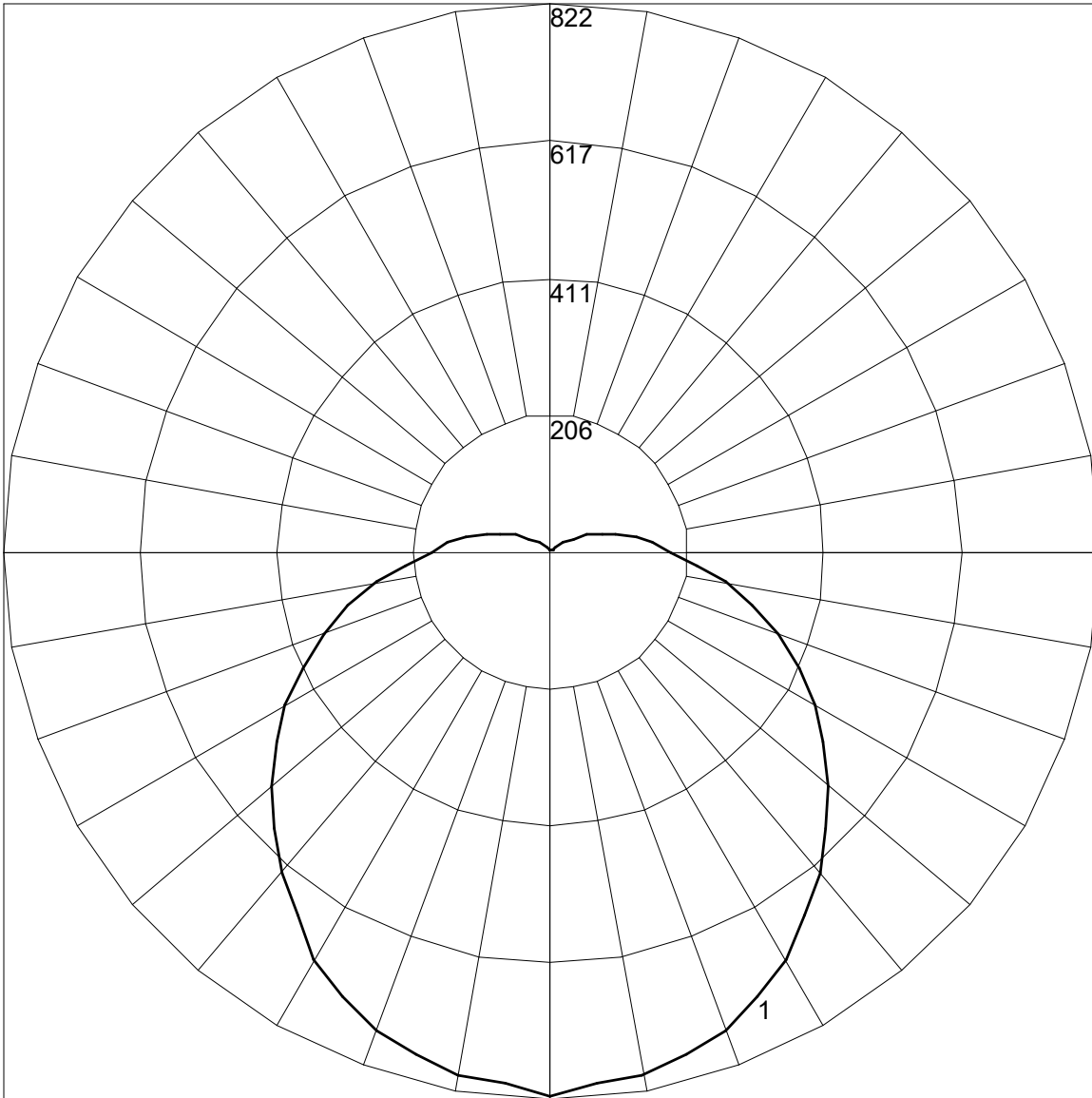
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	117	117	117	117	114	114	114	114	107	107	107	102	102	102	96	96	96	93
1	105	100	95	90	102	97	92	88	91	88	84	86	83	80	81	79	77	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	67	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	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	48	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	51	43	36	49	41	36	47	40	35	44	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 = 822 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)