

# Day-Brite

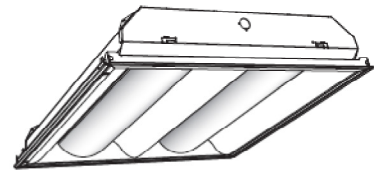
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 25739.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 25739  
[DATE] 10/04/2005  
[LUMCAT] 2ATNG2CF40-D-1/2-EB  
[LUMINAIRE] DAY-BRITE 2X2 ATTUNE STANDARD DIST  
[MORE] W/DIFFUSE DIFFUSER  
[LAMP] F40BX  
[BALLAST] TRIAD  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUE DATE] 10/10/2005  
[\_TEST\_LEVEL]  
[\_TIFF\_FILE\_NAME]  
[\_VERSION] fo2ies 3.0d(90)  
[OTHER] Reflection factor 0.95, Test distance = 26 ft.  
[MORE] Shielding angle: normal 90, Parallel 90

## CHARACTERISTICS

Lumens Per Lamp	3150 (2 lamps)
Total Lamp Lumens	6300
Luminaire Lumens	5016
Total Luminaire Efficiency	80 %
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	67
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.83 ft
Luminous Width (90-270)	1.83 ft
Luminous Height	0.00 ft



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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5489	5448	5471
55	4608	4725	4440
65	3687	3778	2680
75	2720	2398	1743
85	1542	1175	808

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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>0.0</b>	2240	2240	2240	2240	2240
<b>2.5</b>	2248	2239	2226	2228	2243
<b>5.0</b>	2241	2223	2213	2220	2228
<b>7.5</b>	2218	2208	2193	2199	2208
<b>10.0</b>	2198	2182	2167	2168	2178
<b>12.5</b>	2166	2151	2134	2139	2144
<b>15.0</b>	2134	2111	2094	2096	2101
<b>17.5</b>	2081	2061	2046	2044	2051
<b>20.0</b>	2030	2014	1995	1988	1992
<b>22.5</b>	1971	1958	1933	1926	1928
<b>25.0</b>	1906	1889	1866	1860	1868
<b>27.5</b>	1834	1817	1796	1787	1793
<b>30.0</b>	1751	1737	1715	1714	1718
<b>32.5</b>	1674	1656	1639	1637	1643
<b>35.0</b>	1585	1571	1559	1554	1564
<b>37.5</b>	1495	1481	1469	1473	1479
<b>40.0</b>	1410	1388	1378	1387	1396
<b>42.5</b>	1311	1294	1291	1299	1306
<b>45.0</b>	1213	1199	1204	1209	1209
<b>47.5</b>	1117	1104	1114	1121	1119
<b>50.0</b>	1018	1015	1019	1030	1024
<b>52.5</b>	919	924	931	937	909
<b>55.0</b>	826	834	847	821	796
<b>57.5</b>	737	742	767	716	665
<b>60.0</b>	651	658	679	601	546
<b>62.5</b>	567	580	585	492	442
<b>65.0</b>	487	504	499	397	354
<b>67.5</b>	414	430	409	313	285
<b>70.0</b>	345	362	320	248	223
<b>72.5</b>	281	301	251	196	179
<b>75.0</b>	220	239	194	152	141
<b>77.5</b>	167	182	142	115	108
<b>80.0</b>	119	128	100	83	77
<b>82.5</b>	79	83	63	53	50
<b>85.0</b>	42	43	32	24	22
<b>87.5</b>	15	14	9	5	3
<b>90.0</b>	3	1	1	0	1

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1665.19	26.40	33.20
0-40	2642.12	41.90	52.70
0-60	4312.03	68.40	86.00
0-90	5016.1	79.60	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	5016.1	79.60	100.00

Total Luminaire Efficiency = 79.60%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	210.70
10-20	592.21
20-30	862.28
30-40	976.93
40-50	929.95
50-60	739.96
60-70	454.44
70-80	206.27
80-90	43.36
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

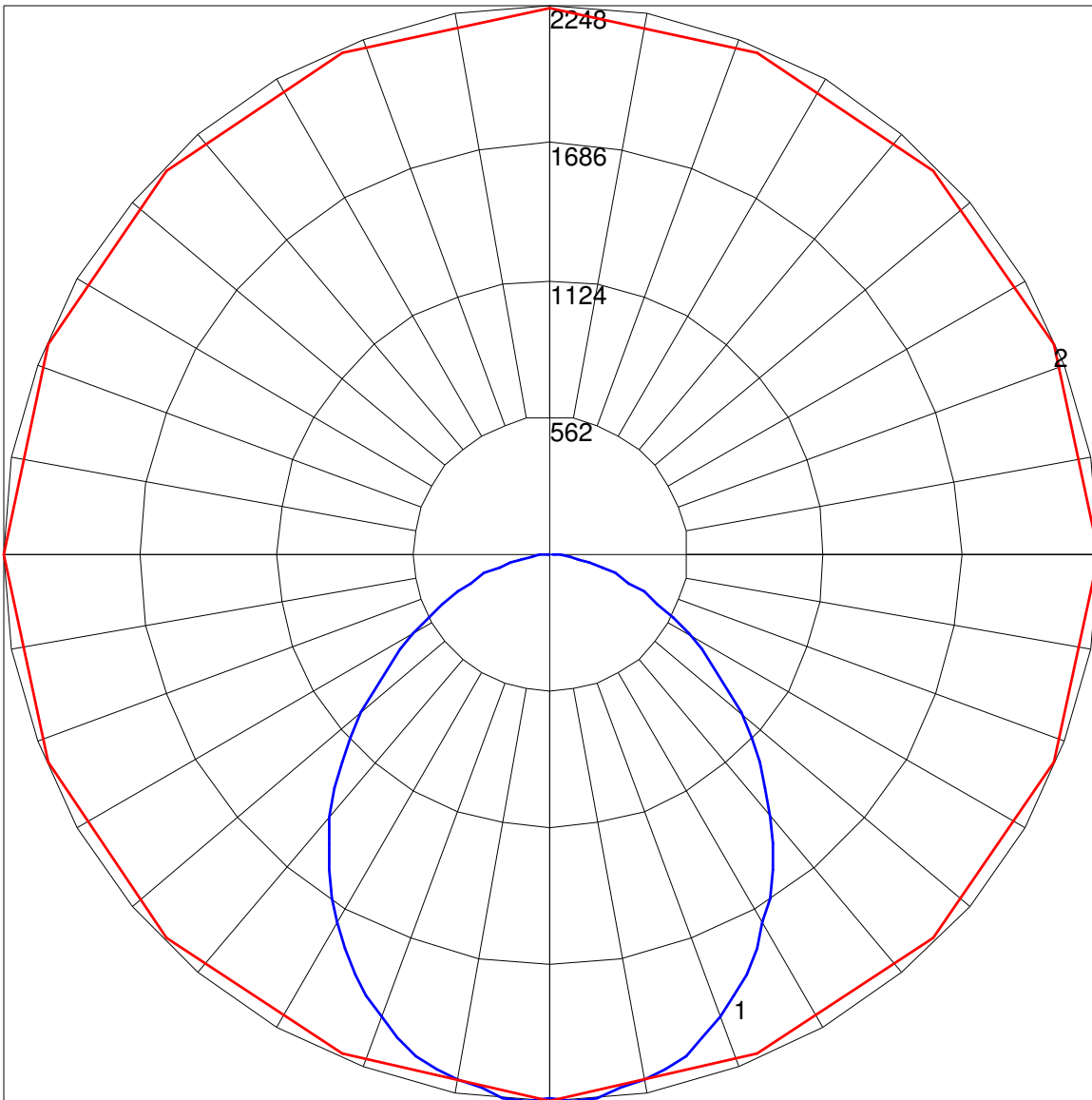
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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
0	95	95	95	95	93	93	93	93	88	88	88	85	85	85	81	81	81	80	80
1	88	84	81	79	86	82	80	77	79	77	75	76	74	73	73	72	70	69	69
2	80	75	70	66	78	73	69	65	70	67	63	68	65	62	65	63	60	59	59
3	74	66	60	56	72	65	59	55	63	58	54	61	57	53	59	55	52	51	51
4	68	59	53	48	66	58	52	47	56	51	47	54	50	46	53	49	46	44	44
5	63	53	47	42	61	52	46	41	51	45	41	49	44	41	48	44	40	39	39
6	58	48	42	37	57	48	41	37	46	40	36	45	40	36	44	39	36	34	34
7	54	44	37	33	53	43	37	33	42	37	32	41	36	32	40	35	32	30	30
8	51	40	34	29	49	40	34	29	39	33	29	38	33	29	37	32	29	27	27
9	47	37	31	27	46	37	31	27	36	30	26	35	30	26	34	30	26	25	25
10	44	34	28	24	43	34	28	24	33	28	24	32	28	24	32	27	24	23	23

POLAR GRAPH



Maximum Candela = 2248 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)