

# Day-Brite

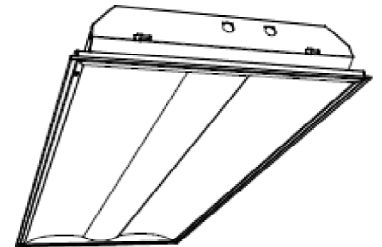
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 27526.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 27526  
[DATE] 06/20/2008  
[LUMCAT] 2STG254HO-D-1/2-EB  
[LUMINAIRE] DAY-BRITE 2X4 SOFTRACE W/DIFFUSE DIFFUSER  
[LAMP] F54T5HO  
[BALLAST] TRIAD B254PUNV-D  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 6/23/2008  
[\_TEST\_LEVEL]  
[\_TIFF\_FILE\_NAME]  
[\_VERSION] fo2ies 3.0d(90)  
[OTHER] Reflection factor 0.92, Test distance = 26 ft.  
[MORE] Shielding angle: normal 90, Parallel 90

## CHARACTERISTICS

Lumens Per Lamp	4400 (2 lamps)
Total Lamp Lumens	8800
Luminaire Lumens	7664
Total Luminaire Efficiency	87 %
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	116
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.81 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	3356	3841	4237
55	3085	3851	4347
65	2717	3619	4180
75	2241	3198	3725
85	1634	1991	1838

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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>	2450	2450	2450	2450	2450
<b>2.5</b>	2452	2463	2463	2445	2419
<b>5.0</b>	2441	2458	2456	2437	2415
<b>7.5</b>	2430	2445	2447	2432	2410
<b>10.0</b>	2411	2426	2434	2421	2401
<b>12.5</b>	2388	2406	2415	2408	2391
<b>15.0</b>	2360	2384	2401	2392	2377
<b>17.5</b>	2324	2349	2365	2371	2358
<b>20.0</b>	2286	2316	2340	2349	2340
<b>22.5</b>	2243	2274	2307	2326	2322
<b>25.0</b>	2195	2221	2271	2297	2297
<b>27.5</b>	2137	2174	2229	2269	2274
<b>30.0</b>	2074	2116	2181	2239	2249
<b>32.5</b>	2008	2054	2132	2204	2222
<b>35.0</b>	1939	1985	2083	2172	2196
<b>37.5</b>	1866	1912	2028	2134	2163
<b>40.0</b>	1783	1836	1969	2082	2123
<b>42.5</b>	1688	1757	1905	2037	2077
<b>45.0</b>	1600	1670	1831	1981	2020
<b>47.5</b>	1502	1576	1755	1909	1953
<b>50.0</b>	1405	1483	1676	1830	1874
<b>52.5</b>	1298	1386	1586	1742	1784
<b>55.0</b>	1193	1280	1489	1637	1681
<b>57.5</b>	1087	1175	1381	1525	1567
<b>60.0</b>	985	1072	1265	1411	1449
<b>62.5</b>	879	965	1148	1281	1321
<b>65.0</b>	774	852	1031	1156	1191
<b>67.5</b>	673	750	915	1030	1058
<b>70.0</b>	574	641	791	896	924
<b>72.5</b>	481	544	675	767	790
<b>75.0</b>	391	451	558	639	650
<b>77.5</b>	305	355	451	506	510
<b>80.0</b>	228	269	346	364	343
<b>82.5</b>	159	192	232	211	210
<b>85.0</b>	96	118	117	110	108
<b>87.5</b>	41	46	40	38	34
<b>90.0</b>	13	8	4	3	3

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1948.71	22.10	25.40
0-40	3248.44	36.90	42.40
0-60	5955.6	67.70	77.70
0-90	7664.31	87.10	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	7664.31	87.10	100.00

Total Luminaire Efficiency = 87.10%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	232.67
10-20	673.52
20-30	1042.52
30-40	1299.73
40-50	1404.11
50-60	1303.06
60-70	995.67
70-80	572.18
80-90	140.85
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

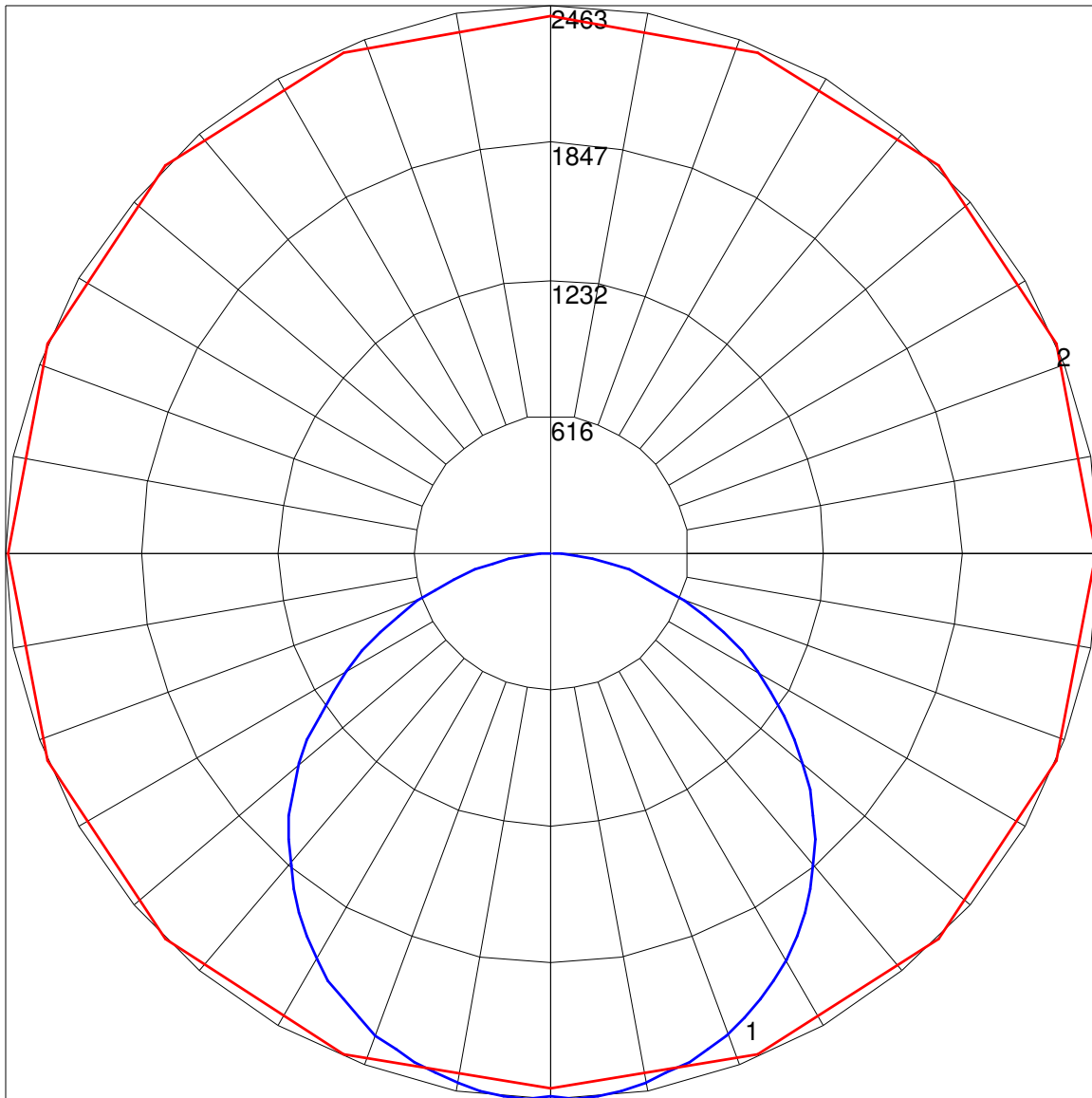
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	104	101	101	101	101	97	97	97	93	93	93	89	89	89	87
1	94	90	86	83	83	92	88	85	82	85	82	79	81	79	77	78	76	74	72
2	86	78	72	67	67	83	77	71	66	73	69	65	71	67	63	68	65	62	60
3	78	68	61	55	55	76	67	60	55	64	59	54	62	57	53	60	56	52	50
4	71	60	53	47	47	69	59	52	46	57	51	46	55	49	45	53	48	44	42
5	65	54	46	40	40	63	53	45	40	51	44	39	49	43	39	48	42	38	36
6	60	48	40	35	35	58	47	40	34	46	39	34	44	38	34	43	38	33	32
7	56	44	36	30	30	54	43	36	30	42	35	30	40	34	30	39	34	30	28
8	52	40	32	27	27	50	39	32	27	38	31	27	37	31	27	36	30	26	25
9	48	36	29	24	24	47	36	29	24	35	28	24	34	28	24	33	28	24	22
10	45	34	27	22	22	44	33	26	22	32	26	22	31	26	22	31	25	22	20

POLAR GRAPH



Maximum Candela = 2463 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)