

Day-Brite

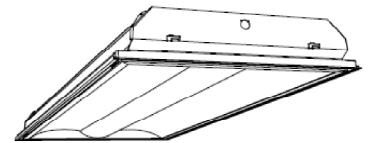
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27526D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27526
[DATE] 06/20/2008
[LUMCAT] 2STGA254HO-D-1/2-EB
[LUMINAIRE] DAY-BRITE 2X4 SOFTRACE AIR 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
[ISSUE DATE] 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>
0.0	2450	2450	2450	2450	2450
2.5	2452	2463	2463	2445	2419
5.0	2441	2458	2456	2437	2415
7.5	2430	2445	2447	2432	2410
10.0	2411	2426	2434	2421	2401
12.5	2388	2406	2415	2408	2391
15.0	2360	2384	2401	2392	2377
17.5	2324	2349	2365	2371	2358
20.0	2286	2316	2340	2349	2340
22.5	2243	2274	2307	2326	2322
25.0	2195	2221	2271	2297	2297
27.5	2137	2174	2229	2269	2274
30.0	2074	2116	2181	2239	2249
32.5	2008	2054	2132	2204	2222
35.0	1939	1985	2083	2172	2196
37.5	1866	1912	2028	2134	2163
40.0	1783	1836	1969	2082	2123
42.5	1688	1757	1905	2037	2077
45.0	1600	1670	1831	1981	2020
47.5	1502	1576	1755	1909	1953
50.0	1405	1483	1676	1830	1874
52.5	1298	1386	1586	1742	1784
55.0	1193	1280	1489	1637	1681
57.5	1087	1175	1381	1525	1567
60.0	985	1072	1265	1411	1449
62.5	879	965	1148	1281	1321
65.0	774	852	1031	1156	1191
67.5	673	750	915	1030	1058
70.0	574	641	791	896	924
72.5	481	544	675	767	790
75.0	391	451	558	639	650
77.5	305	355	451	506	510
80.0	228	269	346	364	343
82.5	159	192	232	211	210
85.0	96	118	117	110	108
87.5	41	46	40	38	34
90.0	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

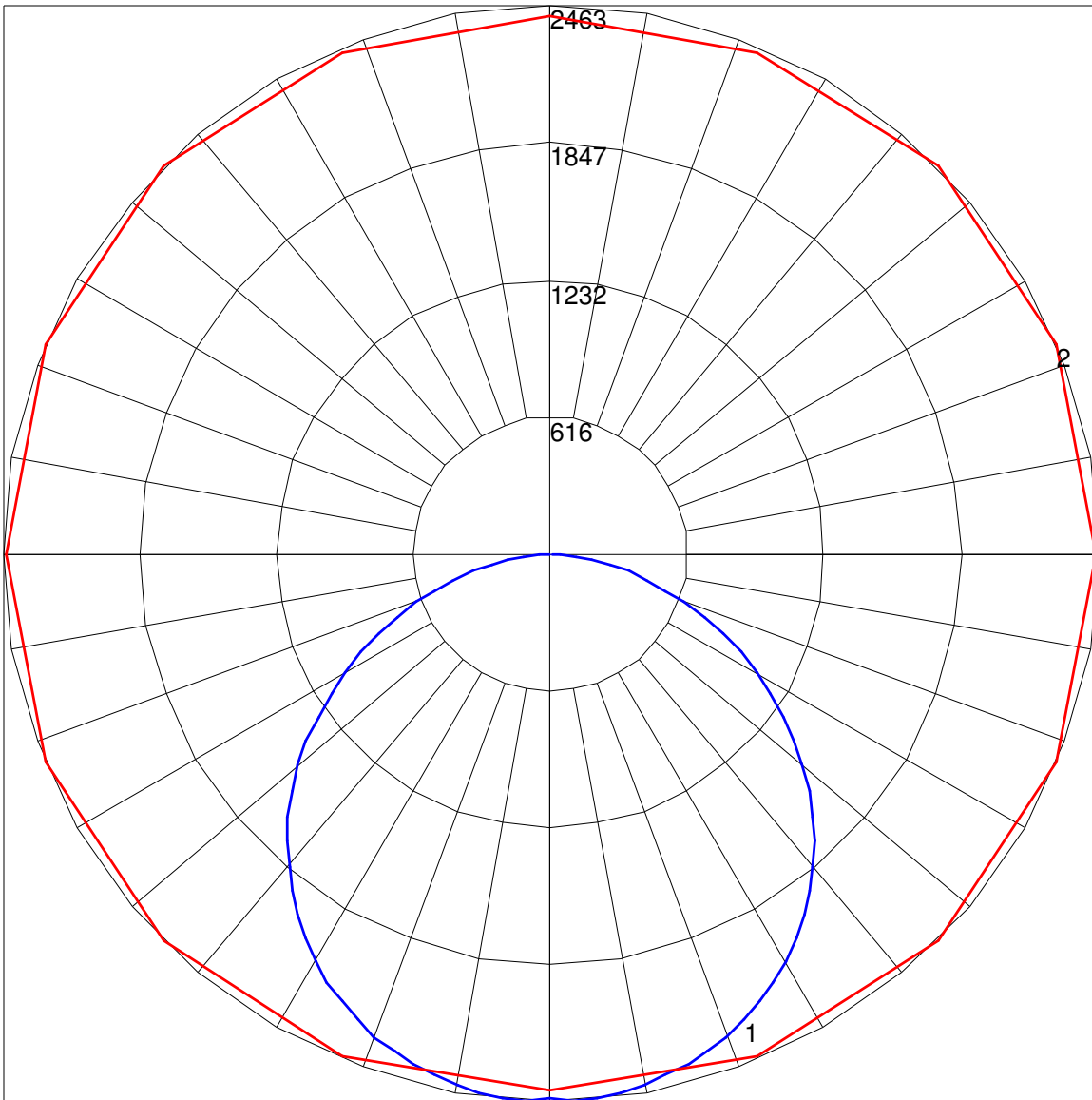
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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