

Day-Brite

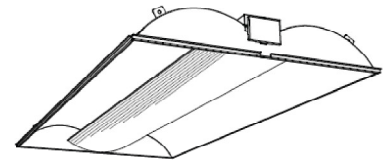
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27603.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27603
[DATE] 07/28/2008
[LUMCAT] 2AVEG354HO-PMW-EB
[LUMINAIRE] DAY-BRITE 2X4 ARIOSO ESSENCE
[MORE] FULL RECESSED W/ PERF
[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] 7/30/2008
[_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 (3 lamps)
Total Lamp Lumens	13200
Luminaire Lumens	8106
Total Luminaire Efficiency	61 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	159
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 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	3237	3646	3779
55	2906	3621	3902
65	2452	3655	3992
75	1948	3277	2566
85	1280	1296	1404

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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	2757	2757	2757	2757	2757
2.5	2734	2797	2793	2743	2694
5.0	2726	2787	2784	2738	2688
7.5	2709	2770	2771	2724	2675
10.0	2685	2747	2747	2708	2665
12.5	2651	2713	2720	2680	2644
15.0	2623	2679	2693	2657	2619
17.5	2577	2640	2654	2628	2591
20.0	2527	2592	2616	2590	2558
22.5	2474	2536	2567	2548	2517
25.0	2410	2475	2513	2501	2473
27.5	2342	2410	2453	2453	2427
30.0	2265	2341	2390	2395	2378
32.5	2189	2261	2322	2340	2319
35.0	2100	2178	2251	2276	2261
37.5	2010	2088	2171	2208	2202
40.0	1911	1993	2089	2135	2133
42.5	1807	1897	2009	2062	2062
45.0	1703	1795	1918	1986	1988
47.5	1593	1691	1828	1905	1910
50.0	1479	1583	1732	1819	1830
52.5	1365	1476	1637	1735	1755
55.0	1240	1369	1545	1651	1665
57.5	1124	1254	1449	1559	1581
60.0	1001	1149	1348	1467	1484
62.5	882	1036	1250	1365	1380
65.0	771	931	1149	1246	1255
67.5	665	831	1044	1115	1107
70.0	564	730	931	959	941
72.5	470	636	787	778	734
75.0	375	537	631	552	494
77.5	288	449	449	341	340
80.0	210	341	233	247	251
82.5	145	217	151	166	170
85.0	83	84	84	90	91
87.5	34	29	33	34	32
90.0	10	4	1	1	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2157.88	16.30	26.60
0-40	3547.17	26.90	43.80
0-60	6346.47	48.10	78.30
0-90	8105.77	61.40	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	8105.77	61.40	100.00

Total Luminaire Efficiency = 61.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	261.73
10-20	751.51
20-30	1144.64
30-40	1389.29
40-50	1454.85
50-60	1344.45
60-70	1069.55
70-80	574.41
80-90	115.34
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

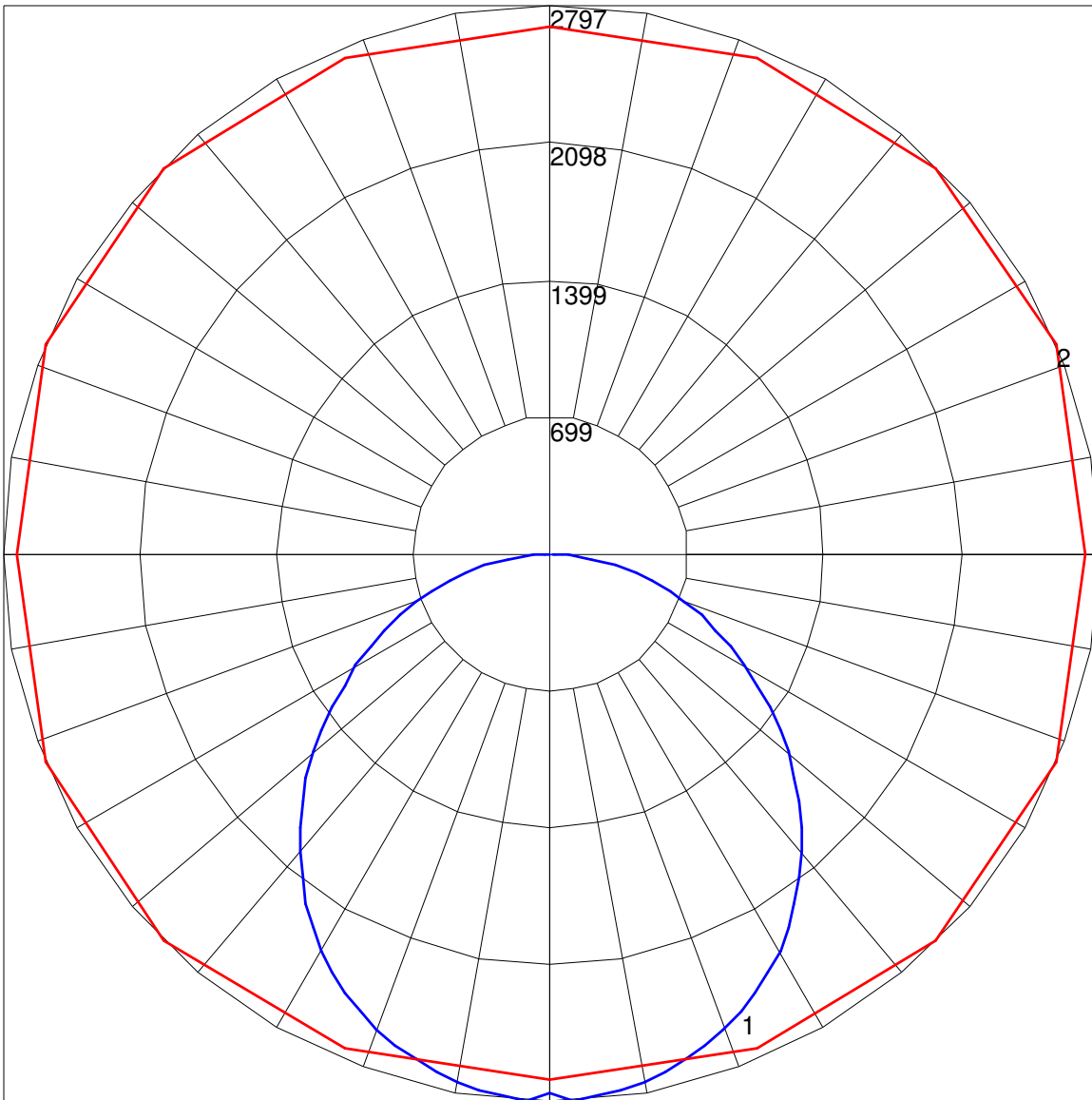
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	73	73	73	73	71	71	71	71	68	68	68	65	65	65	63	63	63	61	61
1	67	64	61	59	65	62	60	58	60	58	56	57	56	54	55	54	53	51	51
2	61	55	51	48	59	54	50	47	52	49	46	50	47	45	48	46	44	43	43
3	55	49	44	39	54	48	43	39	46	42	38	44	41	38	42	40	37	36	36
4	50	43	37	33	49	42	37	33	41	36	33	39	35	32	38	34	32	30	30
5	46	38	33	29	45	38	32	28	36	32	28	35	31	28	34	30	27	26	26
6	43	34	29	25	42	34	29	25	33	28	25	32	28	24	31	27	24	23	23
7	40	31	26	22	38	31	26	22	30	25	22	29	25	22	28	24	21	20	20
8	37	28	23	20	36	28	23	19	27	23	19	26	22	19	26	22	19	18	18
9	34	26	21	18	34	26	21	17	25	21	17	24	20	17	24	20	17	16	16
10	32	24	19	16	31	24	19	16	23	19	16	23	19	16	22	18	16	15	15

POLAR GRAPH



Maximum Candela = 2797 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.)