PHILIPS

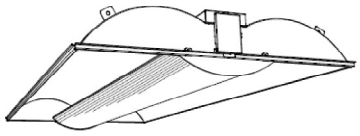
Day-Brite

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27605.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27605
[DATE] 07/29/2008
[LUMCAT] 2AVDG254HO-PMW-EB
[LUMINAIRE] DAY-BRITE 2X4 ARIOSO MID-DEPTH SEMI-RECESSED
[MORE] 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 (2 lamps)
Total Lamp Lumens	8800
Luminaire Lumens	6142
Total Luminaire Efficiency	70 %
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	112
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.08 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2376	2562	2725
55	2183	2564	2820
65	1891	2566	2847
75	1542	2368	2571
85	934	840	1243

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1995	1995	1995	1995	1995
2.5	1987	2000	2004	1992	1978
5.0	1979	1996	1994	1987	1976
7.5	1969	1983	1986	1979	1966
10.0	1951	1967	1971	1968	1955
12.5	1930	1949	1952	1954	1940
15.0	1906	1925	1930	1936	1924
17.5	1876	1895	1905	1910	1901
20.0	1842	1859	1874	1886	1877
22.5	1804	1821	1843	1855	1851
25.0	1761	1781	1808	1825	1822
27.5	1711	1736	1765	1792	1792
30.0	1663	1686	1723	1752	1757
32.5	1607	1633	1678	1713	1720
35.0	1548	1576	1627	1671	1683
37.5	1483	1513	1576	1626	1639
40.0	1417	1452	1521	1578	1594
42.5	1349	1386	1467	1526	1546
45.0	1276	1319	1407	1475	1493
47.5	1202	1250	1347	1422	1441
50.0	1121	1181	1288	1365	1389
52.5	1043	1107	1226	1309	1333
55.0	959	1029	1163	1247	1275
57.5	871	955	1094	1187	1212
60.0	788	878	1027	1113	1131
62.5	700	802	956	1037	1055
65.0	621	727	883	959	975
67.5	542	653	798	870	888
70.0	467	580	713	778	790
72.5	392	505	623	675	683
75.0	320	434	531	566	572
77.5	254	357	425	449	441
80.0	191	278	315	276	254
82.5	128	195	176	162	172
85.0	75	99	82	108	119
87.5	30	27	42	65	76
90.0	7	5	15	20	24

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1562.99	17.80	25.40
0-40	2578.04	29.30	42.00
0-60	4674.05	53.10	76.10
0-90	6142.29	69.80	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	6142.29	69.80	100.00

Total Luminaire Efficiency = 69.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.07
10-20	543.65
20-30	830.27
30-40	1015.05
40-50	1078.05
50-60	1017.96
60-70	830.17
70-80	513.65
80-90	124.41
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	83	83	83	83	81	81	81	81	78	78	78	74	74	74	71	71	71	70
1	76	72	69	66	74	70	68	65	67	65	63	65	63	61	62	61	59	58
2	68	62	57	53	67	61	56	53	59	55	51	56	53	50	54	51	49	47
3	62	54	49	44	60	53	48	43	51	47	43	49	45	42	47	44	41	40
4	57	48	42	37	55	47	41	37	45	40	36	44	39	36	42	38	35	34
5	52	43	36	32	51	42	36	31	40	35	31	39	34	31	38	34	30	29
6	48	38	32	27	47	38	32	27	36	31	27	35	30	27	34	30	27	25
7	44	35	28	24	43	34	28	24	33	28	24	32	27	24	31	27	23	22
8	41	32	26	21	40	31	25	21	30	25	21	29	25	21	29	24	21	20
9	39	29	23	19	38	29	23	19	28	23	19	27	22	19	26	22	19	18
10	36	27	21	17	35	26	21	17	26	21	17	25	20	17	24	20	17	16

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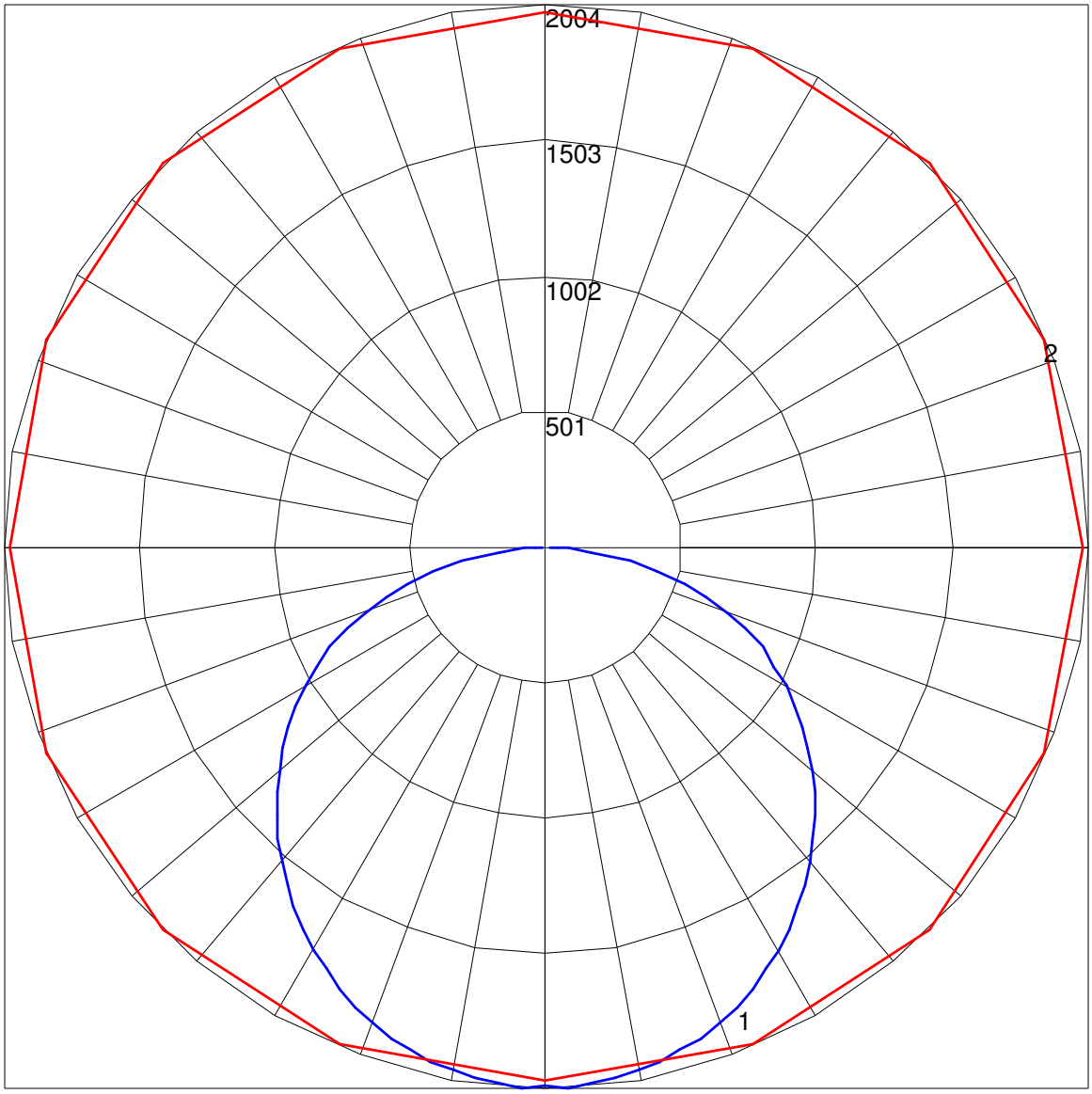
POLAR GRAPH



Maximum Candela = 2004 Located At Horizontal Angle = 45, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)