

Day-Brite

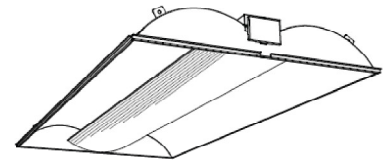
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27604.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27604
[DATE] 07/29/2008
[LUMCAT] 2AVEG254HO-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 (2 lamps)
Total Lamp Lumens	8800
Luminaire Lumens	5759
Total Luminaire Efficiency	65 %
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	111
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
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	2287	2553	2726
55	2069	2576	2876
65	1753	2665	3025
75	1418	2451	1911
85	956	925	1018

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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	1921	1921	1921	1921	1921
2.5	1918	1926	1930	1918	1906
5.0	1910	1920	1923	1913	1899
7.5	1898	1908	1915	1905	1891
10.0	1881	1893	1900	1891	1881
12.5	1864	1876	1886	1879	1867
15.0	1835	1849	1860	1859	1850
17.5	1808	1820	1835	1839	1830
20.0	1773	1788	1808	1813	1805
22.5	1732	1752	1775	1787	1785
25.0	1688	1709	1740	1754	1754
27.5	1639	1661	1697	1718	1720
30.0	1588	1615	1657	1686	1691
32.5	1534	1562	1609	1645	1653
35.0	1476	1505	1564	1604	1616
37.5	1408	1443	1511	1559	1574
40.0	1344	1382	1460	1514	1527
42.5	1277	1317	1402	1465	1485
45.0	1203	1248	1343	1412	1434
47.5	1129	1178	1284	1361	1386
50.0	1050	1107	1226	1308	1332
52.5	967	1034	1164	1252	1281
55.0	883	956	1099	1197	1227
57.5	800	884	1036	1140	1169
60.0	713	808	969	1079	1109
62.5	632	735	905	1012	1040
65.0	551	663	838	935	951
67.5	477	593	766	837	841
70.0	407	526	690	722	712
72.5	339	459	590	580	553
75.0	273	396	472	408	368
77.5	213	330	330	253	254
80.0	155	256	172	179	185
82.5	107	157	108	121	125
85.0	62	59	60	66	66
87.5	25	21	23	24	24
90.0	6	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1503.13	17.10	26.10
0-40	2475.43	28.10	43.00
0-60	4466.41	50.80	77.60
0-90	5759.06	65.40	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	5759.06	65.40	100.00

Total Luminaire Efficiency = 65.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.07
10-20	523.26
20-30	797.80
30-40	972.30
40-50	1027.41
50-60	963.57
60-70	783.55
70-80	425.10
80-90	84.00
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

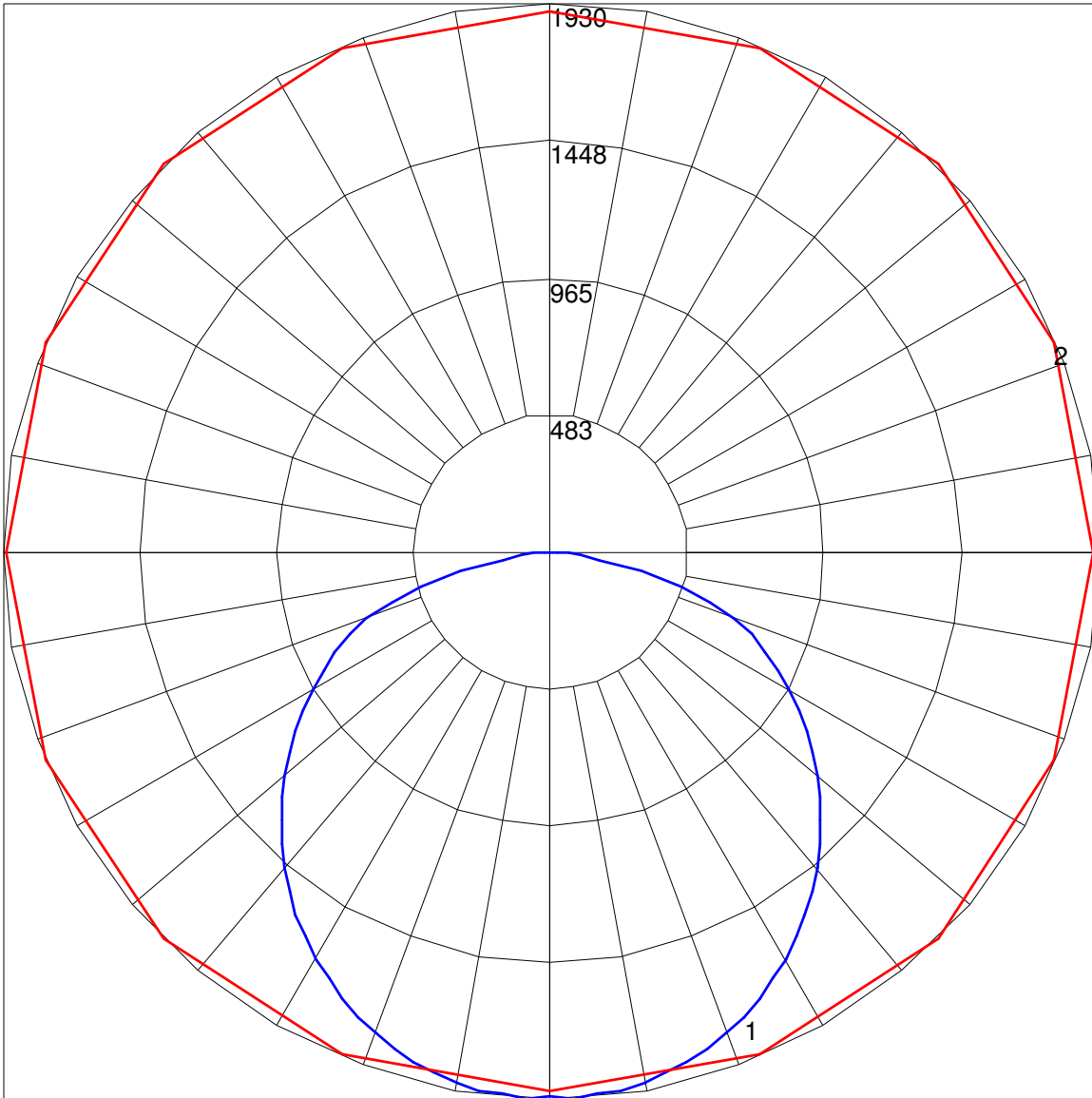
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	78	78	78	76	76	76	76	73	73	73	70	70	70	67	67	67	65
1	71	68	65	63	69	66	64	62	64	62	60	61	59	58	59	57	56	55
2	64	59	54	51	63	58	54	50	55	52	49	53	50	48	51	49	47	45
3	59	52	46	42	57	51	45	41	49	44	41	47	43	40	45	42	39	38
4	54	46	40	35	52	45	39	35	43	38	34	41	37	34	40	36	33	32
5	49	41	35	30	48	40	34	30	38	33	30	37	33	29	36	32	29	28
6	45	36	30	26	44	36	30	26	35	30	26	33	29	26	32	28	25	24
7	42	33	27	23	41	32	27	23	31	26	23	30	26	23	30	26	22	21
8	39	30	24	21	38	30	24	20	29	24	20	28	23	20	27	23	20	19
9	36	28	22	18	36	27	22	18	26	22	18	26	21	18	25	21	18	17
10	34	25	20	17	33	25	20	17	24	20	17	24	19	16	23	19	16	15

POLAR GRAPH



Maximum Candela = 1930 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.)