

Day-Brite

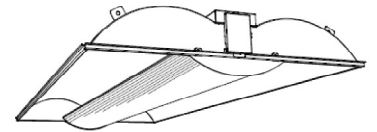
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27596.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27596
[DATE] 07/24/2008
[LUMCAT] 2AVDG328-PMW-EB
[LUMINAIRE] DAY-BRITE 2X4 ARIOSO MID-DEPTH SEMI-RECESSED
[MORE] W/ PERF
[LAMP] F28T5
[BALLAST] TRIAD B228PUNV-C
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 7/25/2008
[_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	2600 (3 lamps)
Total Lamp Lumens	7800
Luminaire Lumens	5610
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	97
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
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	2190	2347	2495
55	2001	2321	2559
65	1723	2321	2572
75	1407	2122	2418
85	810	748	1055

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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	1832	1832	1832	1832	1832
2.5	1838	1841	1835	1824	1813
5.0	1830	1834	1830	1817	1808
7.5	1820	1823	1821	1809	1801
10.0	1804	1809	1808	1799	1792
12.5	1785	1788	1790	1784	1777
15.0	1763	1766	1769	1766	1761
17.5	1735	1735	1746	1744	1741
20.0	1703	1707	1719	1724	1719
22.5	1664	1673	1686	1697	1697
25.0	1626	1636	1655	1668	1669
27.5	1580	1591	1615	1631	1634
30.0	1535	1546	1578	1600	1608
32.5	1483	1499	1535	1567	1572
35.0	1428	1446	1493	1525	1535
37.5	1371	1393	1446	1482	1498
40.0	1307	1336	1393	1439	1455
42.5	1243	1273	1340	1396	1410
45.0	1176	1211	1289	1347	1367
47.5	1107	1144	1231	1294	1316
50.0	1033	1076	1173	1242	1264
52.5	955	1005	1113	1188	1212
55.0	879	940	1053	1130	1157
57.5	802	871	994	1076	1098
60.0	720	802	930	1008	1030
62.5	643	729	864	937	957
65.0	566	659	799	864	881
67.5	491	591	720	781	802
70.0	425	522	644	702	720
72.5	356	455	560	615	636
75.0	292	391	476	527	538
77.5	229	325	395	426	413
80.0	168	253	300	262	241
82.5	115	175	163	143	151
85.0	65	98	73	92	101
87.5	26	22	36	57	65
90.0	5	4	17	29	36

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1432.75	18.40	25.50
0-40	2363.02	30.30	42.10
0-60	4275.19	54.80	76.20
0-90	5610.08	71.90	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	5610.08	71.90	100.00

Total Luminaire Efficiency = 71.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.53
10-20	498.44
20-30	760.78
30-40	930.27
40-50	986.41
50-60	925.76
60-70	751.40
70-80	470.24
80-90	113.26
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

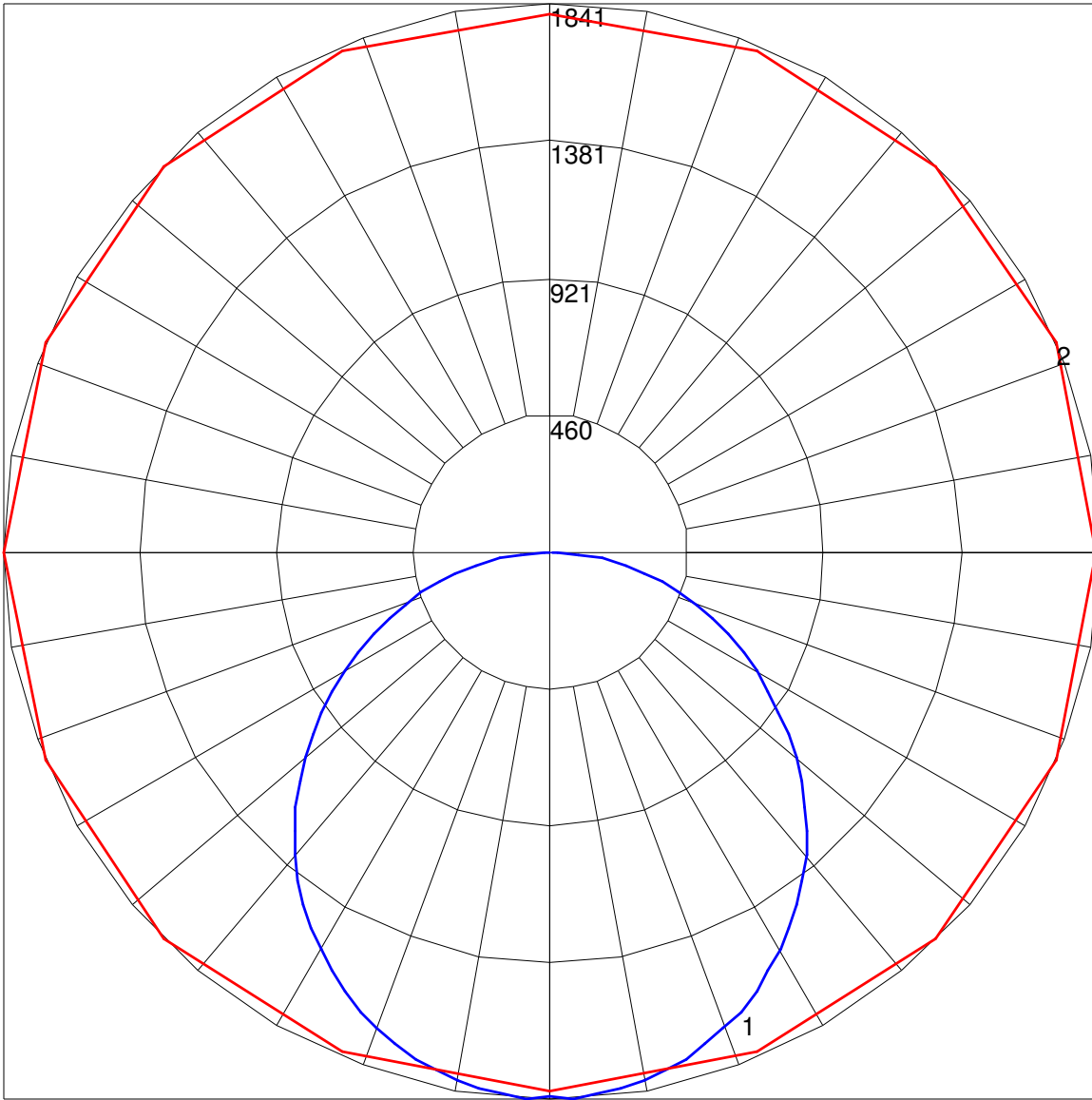
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	86	86	86	84	84	84	84	80	80	80	77	77	77	73	73	73	72
1	78	74	71	68	76	73	70	67	70	67	65	67	65	63	64	63	61	59
2	70	64	59	55	69	63	58	54	60	56	53	58	55	52	56	53	51	49
3	64	56	50	45	62	55	49	45	53	48	44	51	47	43	49	45	42	41
4	58	50	43	38	57	49	42	38	47	41	37	45	40	37	43	39	36	35
5	54	44	37	33	52	43	37	32	42	36	32	40	35	32	39	35	31	30
6	49	40	33	28	48	39	33	28	38	32	28	36	31	28	35	31	27	26
7	46	36	29	25	45	35	29	25	34	29	25	33	28	24	32	28	24	23
8	43	33	26	22	41	32	26	22	31	26	22	30	25	22	29	25	22	20
9	40	30	24	20	39	30	24	20	29	23	20	28	23	20	27	23	19	18
10	37	28	22	18	36	27	22	18	27	21	18	26	21	18	25	21	18	16

POLAR GRAPH



Maximum Candela = 1841 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.)