

Day-Brite

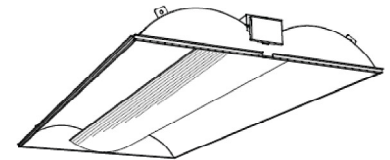
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27598.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27598
[DATE] 07/24/2008
[LUMCAT] 2AVEG328-PMW-EB
[LUMINAIRE] DAY-BRITE 2X4 ARIOSO ESSENCE
[MORE] FULL RECESSED 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	5233
Total Luminaire Efficiency	67 %
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	95
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
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	2108	2334	2469
55	1891	2315	2557
65	1597	2338	2602
75	1278	2119	1636
85	817	864	925

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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	1782	1782	1782	1782	1782
2.5	1780	1807	1788	1770	1758
5.0	1776	1801	1782	1766	1753
7.5	1761	1788	1774	1758	1747
10.0	1749	1773	1762	1746	1736
12.5	1728	1752	1743	1734	1723
15.0	1706	1729	1724	1716	1708
17.5	1676	1701	1701	1696	1688
20.0	1647	1669	1674	1672	1668
22.5	1608	1633	1641	1644	1641
25.0	1566	1593	1606	1615	1614
27.5	1521	1555	1569	1582	1583
30.0	1474	1507	1531	1545	1548
32.5	1422	1457	1484	1510	1516
35.0	1367	1403	1437	1467	1474
37.5	1309	1348	1392	1427	1438
40.0	1243	1287	1337	1380	1391
42.5	1178	1222	1283	1332	1347
45.0	1109	1159	1228	1282	1299
47.5	1037	1093	1173	1227	1250
50.0	964	1021	1111	1176	1196
52.5	887	951	1051	1123	1145
55.0	807	882	988	1067	1091
57.5	731	811	927	1010	1035
60.0	655	742	866	946	972
62.5	574	670	802	880	899
65.0	502	601	735	806	818
67.5	433	536	665	717	723
70.0	366	472	589	620	611
72.5	305	409	506	497	481
75.0	246	348	408	354	315
77.5	192	289	280	224	224
80.0	139	223	152	160	165
82.5	96	139	96	108	111
85.0	53	48	56	60	60
87.5	23	19	20	22	22
90.0	5	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1392.5	17.90	26.60
0-40	2289.09	29.30	43.70
0-60	4097.66	52.50	78.30
0-90	5232.85	67.10	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	5232.85	67.10	100.00

Total Luminaire Efficiency = 67.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.01
10-20	485.21
20-30	738.28
30-40	896.59
40-50	939.63
50-60	868.94
60-70	690.16
70-80	370.42
80-90	74.60
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

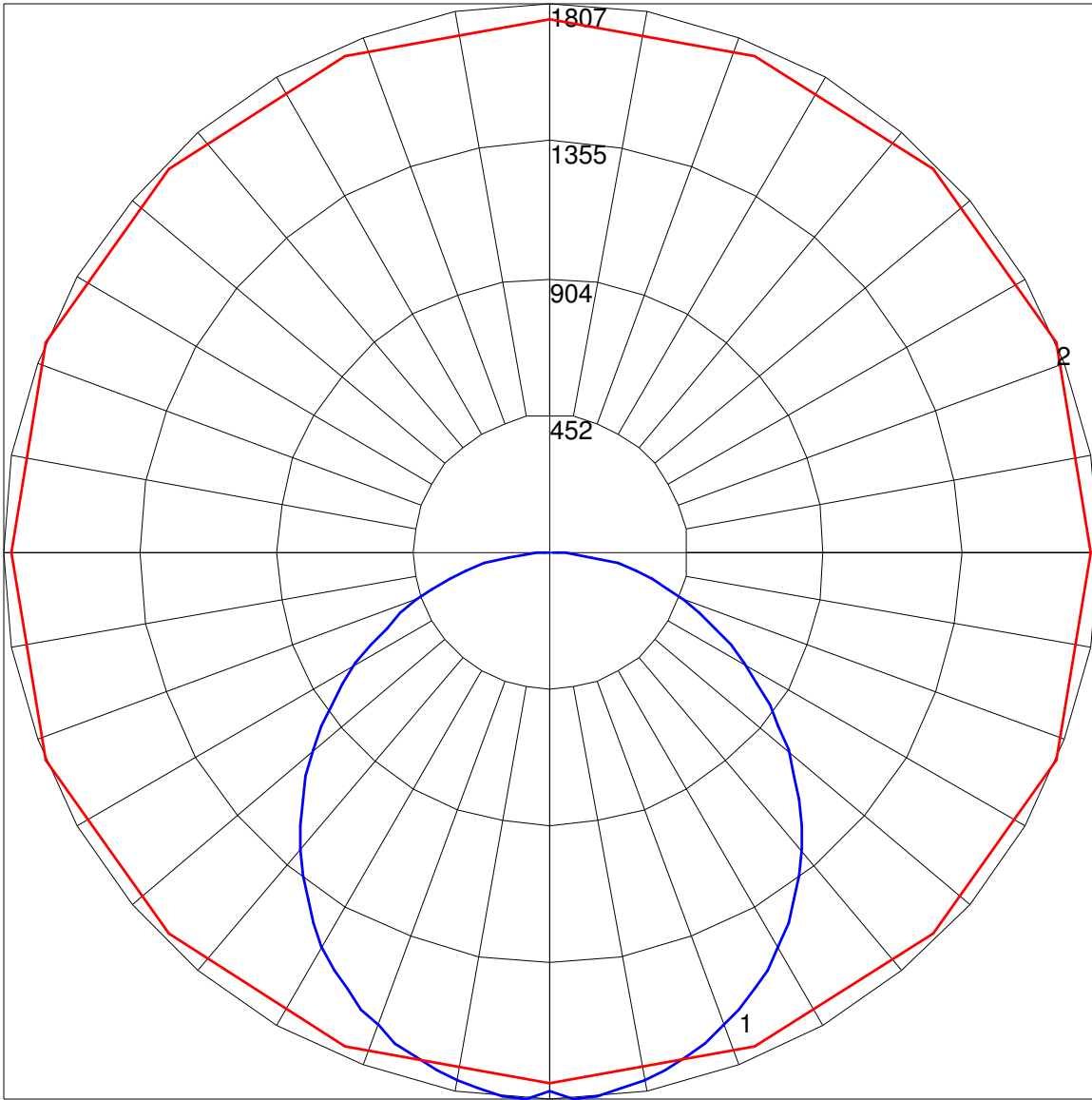
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	80	80	80	80	78	78	78	78	75	75	75	71	71	71	68	68	68	67
1	73	70	67	64	71	68	66	63	65	63	61	63	61	59	60	59	58	56
2	66	61	56	52	64	59	55	51	57	53	50	55	52	49	53	50	48	47
3	60	53	48	43	59	52	47	43	50	46	42	48	44	41	46	43	41	39
4	55	47	41	36	54	46	40	36	44	39	36	43	39	35	41	38	35	33
5	51	42	36	31	49	41	35	31	40	35	31	38	34	30	37	33	30	29
6	47	38	32	27	45	37	31	27	36	31	27	35	30	27	34	29	26	25
7	43	34	28	24	42	34	28	24	32	27	24	31	27	23	31	26	23	22
8	40	31	25	21	39	31	25	21	30	25	21	29	24	21	28	24	21	20
9	38	28	23	19	37	28	23	19	27	22	19	27	22	19	26	22	19	18
10	35	26	21	17	34	26	21	17	25	20	17	25	20	17	24	20	17	16

POLAR GRAPH



Maximum Candela = 1807 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.)