

Day-Brite

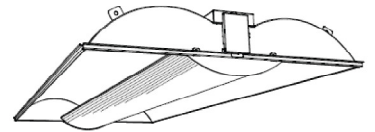
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27600.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27600
[DATE] 07/25/2008
[LUMCAT] 2AVDG228-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
[ISSUE DATE] 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 (2 lamps)
Total Lamp Lumens	5200
Luminaire Lumens	3889
Total Luminaire Efficiency	75 %
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	65
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	1523	1619	1730
55	1391	1614	1790
65	1206	1613	1807
75	988	1485	1632
85	598	553	794

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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	1265	1265	1265	1265	1265
2.5	1275	1267	1260	1255	1253
5.0	1270	1266	1261	1253	1250
7.5	1264	1257	1252	1248	1245
10.0	1254	1246	1242	1239	1237
12.5	1241	1234	1232	1231	1229
15.0	1222	1217	1216	1217	1216
17.5	1205	1199	1200	1204	1204
20.0	1181	1177	1181	1188	1188
22.5	1158	1154	1160	1170	1172
25.0	1130	1126	1136	1150	1154
27.5	1098	1096	1111	1128	1134
30.0	1067	1065	1085	1106	1112
32.5	1030	1032	1057	1081	1089
35.0	994	998	1027	1053	1065
37.5	952	961	995	1026	1037
40.0	909	922	961	996	1009
42.5	866	882	925	965	979
45.0	818	836	889	932	948
47.5	767	793	851	897	917
50.0	716	747	814	861	881
52.5	664	701	772	824	846
55.0	611	651	732	787	809
57.5	558	604	691	748	768
60.0	502	557	649	705	720
62.5	449	509	605	656	671
65.0	396	462	555	601	619
67.5	346	415	505	548	564
70.0	299	367	452	491	501
72.5	250	322	394	425	432
75.0	205	276	333	356	363
77.5	163	229	269	282	277
80.0	118	179	200	177	164
82.5	80	123	112	104	112
85.0	48	65	54	69	76
87.5	19	16	26	41	48
90.0	4	3	12	16	26

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	988.54	19.00	25.40
0-40	1631.1	31.40	41.90
0-60	2958.07	56.90	76.10
0-90	3888.86	74.80	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	3888.86	74.80	100.00

Total Luminaire Efficiency = 74.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.70
10-20	343.88
20-30	524.96
30-40	642.56
40-50	683.11
50-60	643.86
60-70	525.70
70-80	325.31
80-90	79.77
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

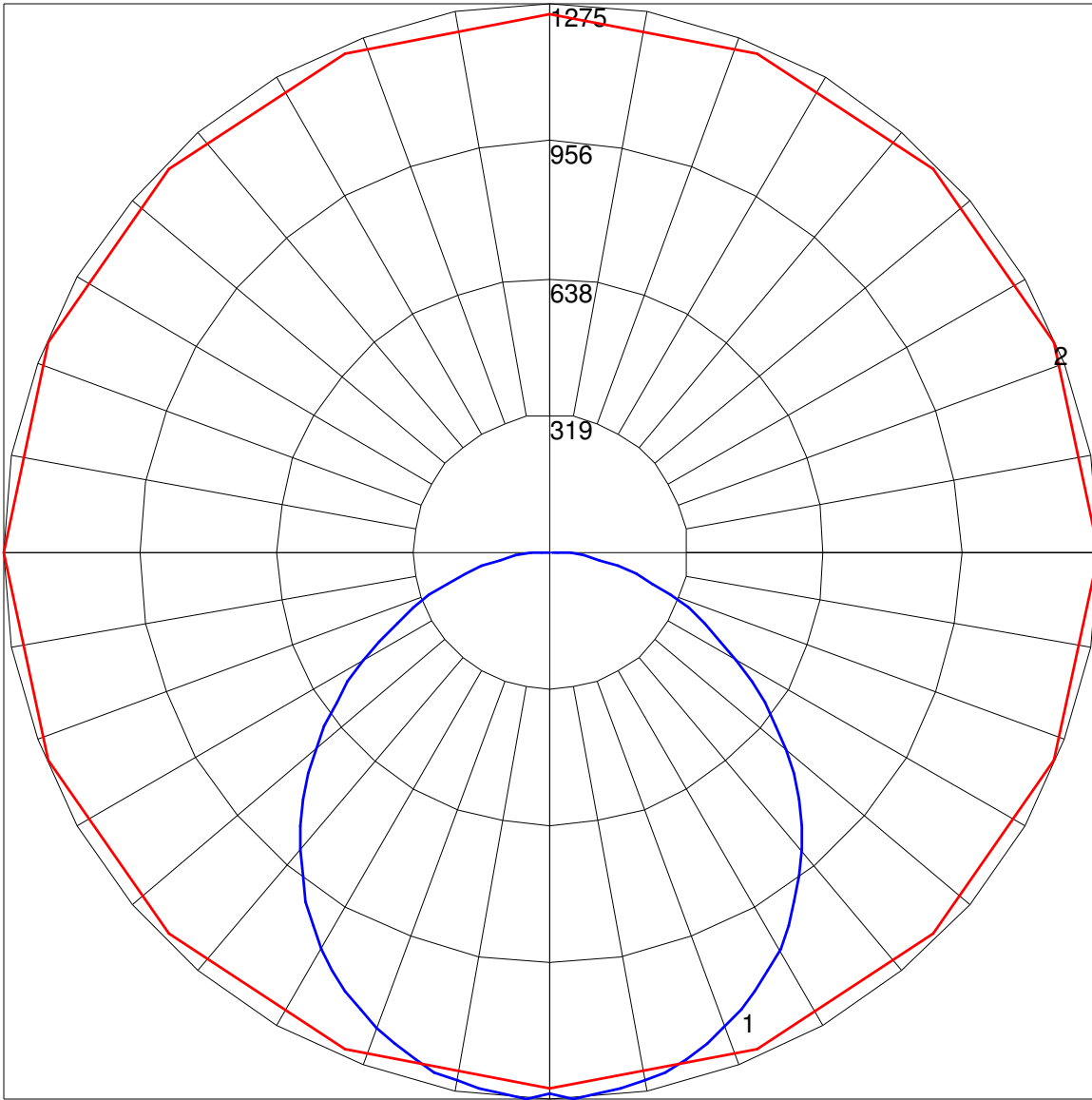
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	89	89	89	89	87	87	87	87	83	83	83	80	80	80	76	76	76	75
1	81	77	74	71	79	75	72	70	72	70	67	69	67	65	67	65	63	62
2	73	67	61	57	71	65	60	56	63	59	55	60	57	54	58	55	53	51
3	67	58	52	47	65	57	51	47	55	50	46	53	48	45	51	47	44	42
4	61	51	45	39	59	50	44	39	49	43	39	47	42	38	45	41	38	36
5	56	46	39	34	54	45	38	34	43	38	33	42	37	33	40	36	32	31
6	51	41	34	29	50	40	34	29	39	33	29	38	33	29	37	32	28	27
7	48	37	31	26	46	37	30	26	35	30	26	34	29	25	33	29	25	24
8	44	34	27	23	43	33	27	23	32	27	23	31	26	23	31	26	22	21
9	41	31	25	21	40	31	25	21	30	24	20	29	24	20	28	24	20	19
10	39	29	23	19	38	28	22	19	28	22	18	27	22	18	26	22	18	17

POLAR GRAPH



Maximum Candela = 1275 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)