

Day-Brite

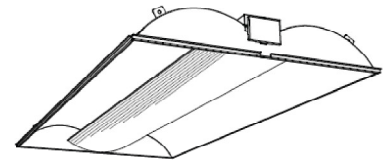
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27599.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27599
[DATE] 07/25/2008
[LUMCAT] 2AVEG228-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
[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	3761
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	65
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	1502	1663	1779
55	1362	1680	1884
65	1158	1737	1985
75	956	1636	1257
85	663	632	694

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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	1252	1252	1252	1252	1252
2.5	1255	1257	1254	1247	1240
5.0	1252	1254	1250	1243	1237
7.5	1243	1246	1243	1238	1232
10.0	1232	1235	1235	1230	1225
12.5	1218	1221	1223	1220	1216
15.0	1199	1203	1206	1205	1202
17.5	1182	1187	1195	1193	1192
20.0	1160	1167	1175	1180	1178
22.5	1136	1143	1154	1162	1161
25.0	1108	1114	1129	1141	1142
27.5	1077	1086	1105	1120	1123
30.0	1041	1054	1077	1096	1101
32.5	1006	1019	1048	1070	1078
35.0	966	982	1015	1044	1054
37.5	925	943	983	1015	1027
40.0	882	902	948	985	998
42.5	834	858	914	954	967
45.0	790	815	875	921	936
47.5	740	771	837	888	904
50.0	690	723	796	852	871
52.5	634	676	759	817	837
55.0	581	627	717	780	804
57.5	524	579	675	744	766
60.0	469	529	634	705	726
62.5	415	482	591	660	679
65.0	364	435	546	608	624
67.5	314	389	502	547	555
70.0	270	344	448	474	468
72.5	225	301	388	378	360
75.0	184	260	315	269	242
77.5	144	217	213	166	167
80.0	105	169	113	117	122
82.5	73	107	72	79	81
85.0	43	39	41	45	45
87.5	17	14	14	16	16
90.0	4	1	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	979.12	18.80	26.00
0-40	1612.93	31.00	42.90
0-60	2912.86	56.00	77.50
0-90	3760.83	72.30	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	3760.83	72.30	100.00

Total Luminaire Efficiency = 72.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.60
10-20	340.49
20-30	520.03
30-40	633.80
40-50	670.28
50-60	629.65
60-70	512.74
70-80	279.34
80-90	55.89
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

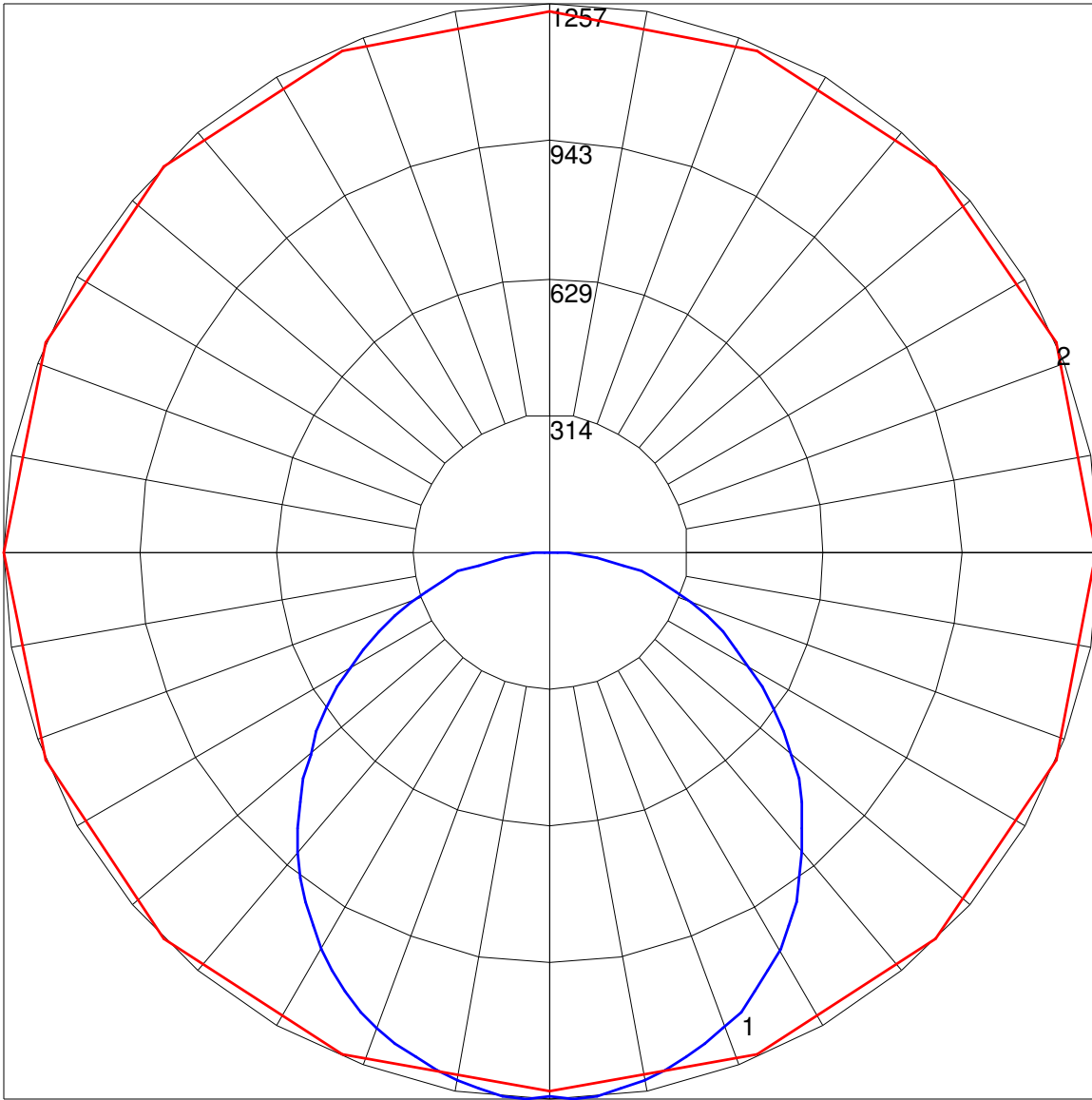
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	74	74	74	72
1	79	75	72	69	77	73	71	68	70	68	66	67	66	64	65	63	62	60
2	71	65	60	56	69	64	59	55	61	57	54	59	55	53	57	54	51	50
3	65	57	51	46	63	56	50	46	54	49	45	52	47	44	50	46	43	42
4	59	50	44	39	57	49	43	39	47	42	38	46	41	37	44	40	37	35
5	54	45	38	33	53	44	38	33	42	37	33	41	36	32	40	35	32	30
6	50	40	34	29	49	40	33	29	38	33	29	37	32	28	36	31	28	26
7	46	36	30	25	45	36	30	25	35	29	25	34	29	25	33	28	25	23
8	43	33	27	23	42	33	27	23	32	26	22	31	26	22	30	25	22	21
9	40	30	24	20	39	30	24	20	29	24	20	28	23	20	28	23	20	19
10	38	28	22	18	37	28	22	18	27	22	18	26	21	18	26	21	18	17

POLAR GRAPH



Maximum Candela = 1257 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.)