

Day-Brite

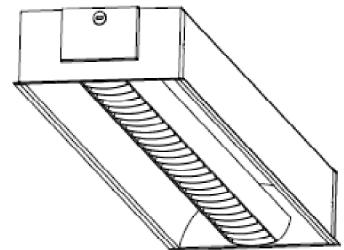
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27707.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27707
[DATE] 10/01/2008
[LUMCAT] 1AVG228-LMWS-1/2-EB
[LUMINAIRE] DAY-BRITE 1X4 ARIOSO LOUVER
[MORE] W/ PERF BASKET SOLID BLADES & OVERLAY
[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] 10/1/2008
[_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	3383
Total Luminaire Efficiency	65 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	64
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 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	3236	3118	3076
55	3047	2597	2376
65	2882	1762	1864
75	2618	1382	1382
85	1789	1141	1049

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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	1377	1377	1377	1377	1377
2.5	1390	1369	1363	1367	1383
5.0	1384	1364	1360	1363	1380
7.5	1374	1354	1352	1357	1375
10.0	1356	1337	1340	1348	1367
12.5	1334	1316	1322	1335	1354
15.0	1310	1294	1303	1321	1341
17.5	1282	1268	1279	1301	1323
20.0	1254	1241	1254	1277	1302
22.5	1221	1211	1226	1251	1275
25.0	1190	1179	1196	1217	1241
27.5	1154	1143	1162	1184	1210
30.0	1115	1105	1123	1142	1169
32.5	1075	1067	1081	1096	1122
35.0	1033	1027	1037	1045	1071
37.5	990	985	990	990	1012
40.0	945	937	934	929	945
42.5	900	890	880	866	880
45.0	851	842	820	799	809
47.5	799	792	759	725	737
50.0	747	740	693	651	660
52.5	699	683	623	575	580
55.0	650	627	554	499	507
57.5	599	572	481	427	444
60.0	550	512	411	370	392
62.5	503	456	339	323	342
65.0	453	400	277	277	293
67.5	404	338	236	235	246
70.0	355	279	199	195	198
72.5	302	220	166	160	162
75.0	252	159	133	130	133
77.5	198	115	105	104	107
80.0	148	86	81	80	80
82.5	100	59	57	56	55
85.0	58	37	37	34	34
87.5	25	16	17	16	14
90.0	9	5	1	1	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1052.96	20.20	31.10
0-40	1702.31	32.70	50.30
0-60	2840.78	54.60	84.00
0-90	3383.00	65.10	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	3383.00	65.10	100.00

Total Luminaire Efficiency = 65.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.88
10-20	369.59
20-30	553.50
30-40	649.35
40-50	632.86
50-60	505.60
60-70	331.13
70-80	166.33
80-90	44.77
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

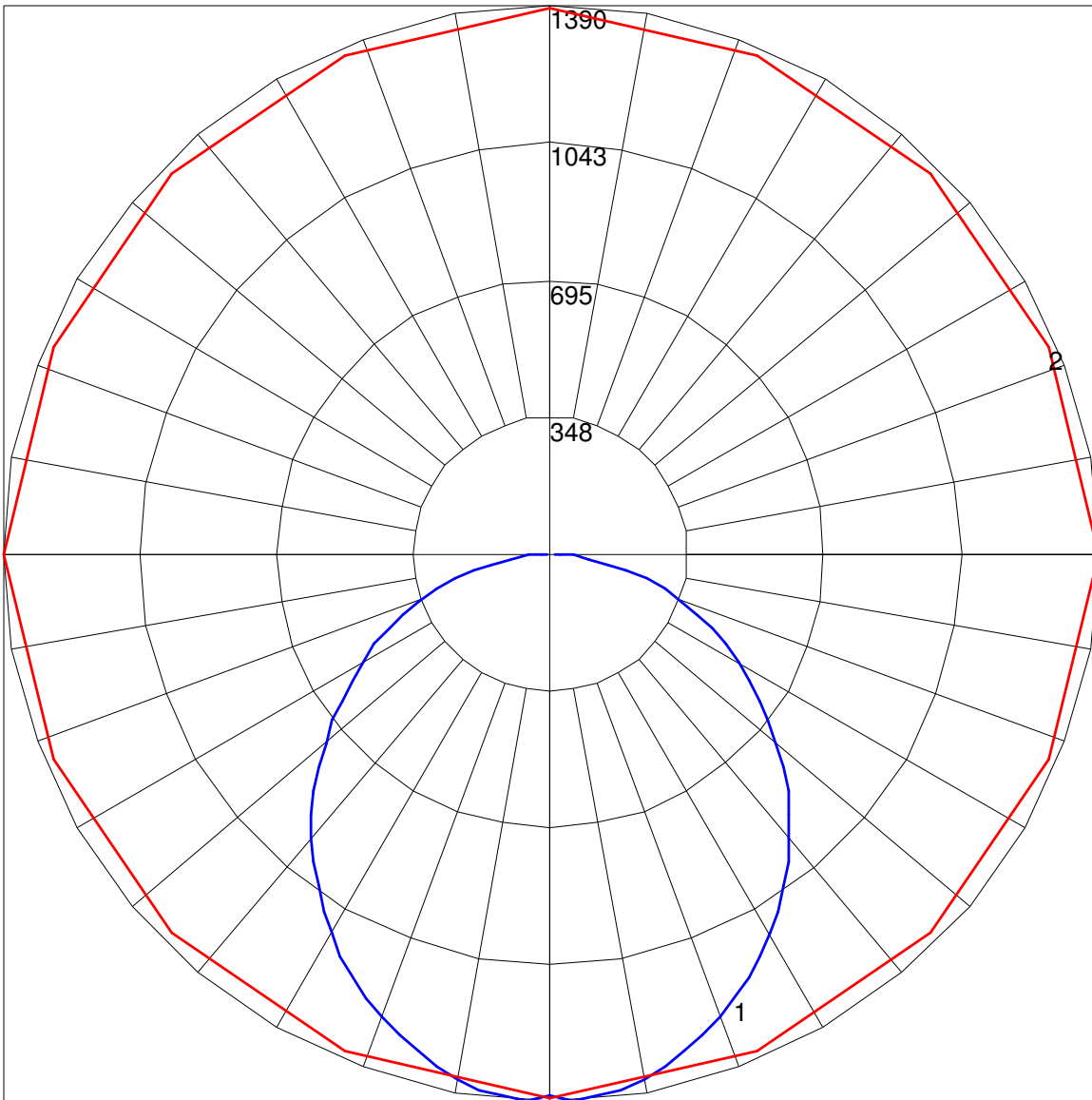
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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	77	77	77	77	76	76	76	76	72	72	72	69	69	69	66	66	66	65
1	71	68	66	64	70	67	65	63	64	62	61	62	60	59	59	58	57	56
2	65	60	56	53	64	59	55	52	57	54	51	55	52	50	53	51	49	47
3	60	53	48	44	58	52	48	44	50	46	43	49	45	42	47	44	42	40
4	55	48	42	38	54	47	42	38	45	41	37	44	40	37	42	39	36	35
5	51	43	37	33	49	42	37	33	41	36	32	39	35	32	38	35	32	30
6	47	39	33	29	46	38	33	29	37	32	29	36	32	28	35	31	28	27
7	44	35	30	26	43	35	29	26	34	29	25	33	28	25	32	28	25	24
8	41	32	27	23	40	32	27	23	31	26	23	30	26	23	29	25	23	21
9	38	30	24	21	37	29	24	21	28	24	21	28	24	21	27	23	20	19
10	36	27	22	19	35	27	22	19	26	22	19	26	22	19	25	21	19	18

POLAR GRAPH



Maximum Candela = 1390 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.)