

Day-Brite

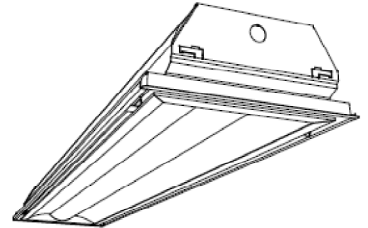
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 271011D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27101-1
[DATE] 11/14/2007
[LUMCAT] 1STGA228-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 1X4 SOFTRACE AIR W/PERFORATED BASKET
[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] 11/14/2007
[_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	3952
Total Luminaire Efficiency	76 %
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	63
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.81 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	3982	4670	4998
55	3657	4384	4759
65	3124	3938	3985
75	2506	2902	2493
85	1784	1177	1101

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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	1309	1309	1309	1309	1309
2.5	1310	1317	1314	1306	1299
5.0	1307	1314	1314	1307	1302
7.5	1298	1308	1311	1309	1306
10.0	1287	1298	1306	1309	1309
12.5	1276	1287	1304	1312	1314
15.0	1258	1274	1296	1311	1316
17.5	1238	1258	1288	1310	1314
20.0	1217	1239	1278	1308	1318
22.5	1193	1220	1267	1305	1316
25.0	1166	1196	1253	1299	1313
27.5	1136	1169	1236	1285	1304
30.0	1103	1143	1218	1274	1290
32.5	1069	1111	1194	1252	1271
35.0	1032	1076	1166	1226	1244
37.5	988	1038	1132	1192	1209
40.0	944	998	1092	1151	1169
42.5	899	952	1048	1104	1120
45.0	851	905	998	1054	1068
47.5	800	852	943	994	1015
50.0	744	804	885	941	960
52.5	690	745	822	876	893
55.0	634	685	760	810	825
57.5	575	625	698	744	755
60.0	516	565	634	671	677
62.5	456	500	571	594	593
65.0	399	440	503	514	509
67.5	346	382	435	431	425
70.0	294	325	363	353	347
72.5	242	276	293	281	267
75.0	196	230	227	207	195
77.5	153	183	165	139	131
80.0	111	132	103	85	84
82.5	77	85	58	54	52
85.0	47	42	31	29	29
87.5	20	16	12	11	11
90.0	6	3	2	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1065.17	20.50	27.00
0-40	1784.31	34.30	45.10
0-60	3204.53	61.60	81.10
0-90	3952.11	76.00	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	3952.11	76.00	100.00

Total Luminaire Efficiency = 76.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.80
10-20	365.40
20-30	574.96
30-40	719.15
40-50	753.70
50-60	666.51
60-70	472.72
70-80	229.34
80-90	45.52
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

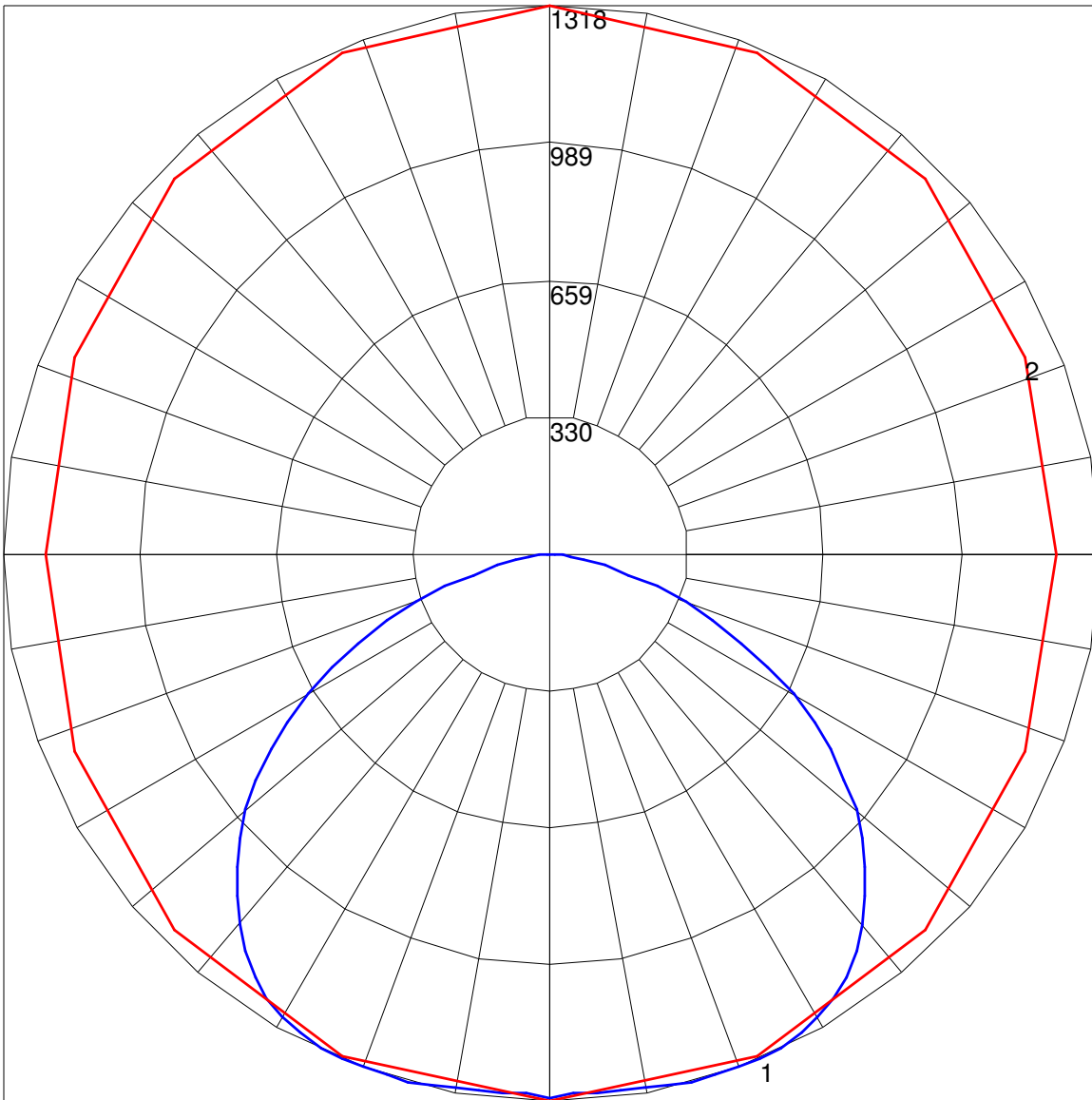
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	90	90	90	88	88	88	88	84	84	84	81	81	81	78	78	78	76
1	83	79	76	74	81	78	75	72	75	72	70	72	70	68	69	67	66	64
2	76	69	64	60	74	68	63	59	65	61	58	63	59	57	60	58	55	54
3	69	61	55	50	67	60	54	49	57	53	49	55	51	48	53	50	47	45
4	63	54	47	42	61	53	47	42	51	46	41	49	45	41	48	44	40	39
5	58	48	41	36	56	47	41	36	46	40	36	44	39	35	43	38	35	33
6	53	43	36	32	52	43	36	31	41	35	31	40	35	31	39	34	31	29
7	49	39	32	28	48	39	32	28	37	32	27	36	31	27	35	31	27	26
8	46	36	29	25	45	35	29	25	34	28	24	33	28	24	32	28	24	23
9	43	33	26	22	42	32	26	22	31	26	22	31	25	22	30	25	22	20
10	40	30	24	20	39	30	24	20	29	24	20	28	23	20	28	23	20	18

POLAR GRAPH



Maximum Candela = 1318 Located At Horizontal Angle = 90, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)