

Day-Brite

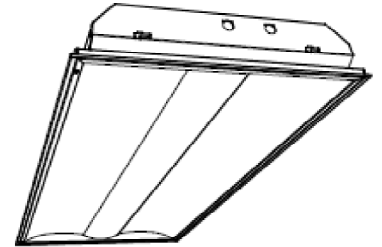
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27099.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27099
[DATE] 11/12/2007
[LUMCAT] 2STG228-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 2X4 SOFTRACE W/PERFORATED BASKET
[LAMP] F28T5
[BALLAST] TRIAD B228PUNV95-D-EB95
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 11/12/2007
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Reflection factor 0.93, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	2600 (2 lamps)
Total Lamp Lumens	5200
Luminaire Lumens	4191
Total Luminaire Efficiency	81 %
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	60
Ballast Factor	0.95
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.81 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	1846	2077	2364
55	1655	2071	2464
65	1383	1941	2415
75	1089	1685	2069
85	732	681	681

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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	1403	1403	1403	1403	1403
2.5	1411	1406	1401	1396	1393
5.0	1407	1400	1401	1393	1390
7.5	1394	1391	1390	1387	1385
10.0	1382	1380	1380	1379	1377
12.5	1367	1365	1367	1369	1368
15.0	1348	1347	1348	1354	1355
17.5	1325	1326	1333	1338	1342
20.0	1300	1304	1314	1322	1326
22.5	1273	1277	1296	1302	1309
25.0	1242	1249	1265	1281	1290
27.5	1207	1214	1243	1268	1272
30.0	1169	1179	1205	1236	1252
32.5	1129	1140	1173	1215	1235
35.0	1086	1098	1141	1193	1217
37.5	1037	1052	1106	1170	1198
40.0	986	1004	1069	1143	1178
42.5	934	955	1030	1118	1155
45.0	880	904	990	1088	1127
47.5	823	850	947	1051	1094
50.0	760	794	900	1012	1054
52.5	700	736	853	964	1008
55.0	640	678	801	910	953
57.5	574	617	743	854	894
60.0	514	557	683	788	827
62.5	452	496	619	722	755
65.0	394	437	553	648	688
67.5	339	380	487	578	615
70.0	287	323	418	511	544
72.5	237	269	354	436	459
75.0	190	218	294	350	361
77.5	146	171	231	259	264
80.0	106	124	165	170	161
82.5	71	86	100	83	80
85.0	43	48	40	40	40
87.5	17	16	13	13	12
90.0	4	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1098.18	21.10	26.20
0-40	1815.19	34.90	43.30
0-60	3292.7	63.30	78.60
0-90	4190.62	80.60	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	4190.62	80.60	100.00

Total Luminaire Efficiency = 80.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.81
10-20	381.45
20-30	583.93
30-40	717.01
40-50	767.56
50-60	709.95
60-70	539.62
70-80	299.17
80-90	59.13
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

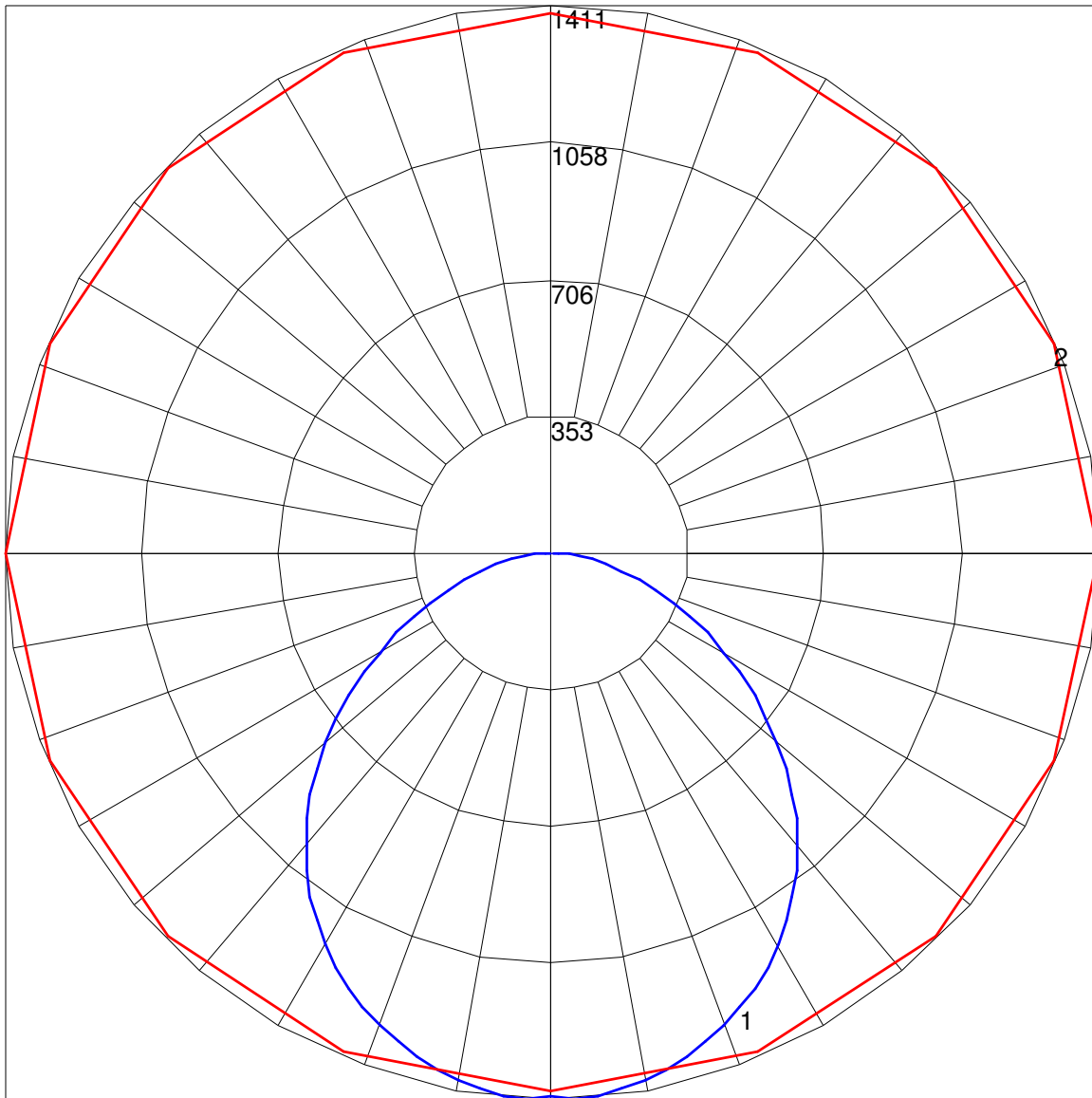
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	96	96	96	94	94	94	94	90	90	90	86	86	86	82	82	82	81	81
1	88	84	80	77	85	82	79	76	79	76	74	75	73	71	72	71	69	67	67
2	80	73	67	63	77	71	66	62	68	64	60	66	62	59	63	60	58	56	56
3	72	64	57	52	70	62	56	51	60	55	50	58	53	49	56	52	49	47	47
4	66	56	49	44	64	55	49	43	53	47	43	51	46	42	50	45	42	40	40
5	61	50	43	37	59	49	42	37	48	41	37	46	41	36	44	40	36	34	34
6	56	45	38	33	54	44	37	32	43	37	32	41	36	32	40	35	31	30	30
7	52	41	34	29	50	40	33	29	39	33	28	38	32	28	37	32	28	26	26
8	48	37	30	25	47	37	30	25	36	30	25	35	29	25	34	29	25	23	23
9	45	34	27	23	44	34	27	23	33	27	23	32	26	23	31	26	22	21	21
10	42	31	25	21	41	31	25	21	30	24	21	29	24	20	29	24	20	19	19

POLAR GRAPH



Maximum Candela = 1411 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.)