

Day-Brite

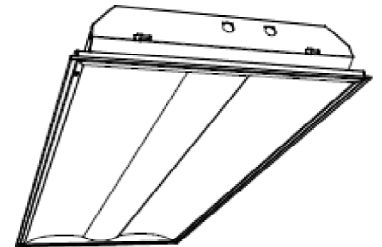
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27092.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27092
[DATE] 11/08/2007
[LUMCAT] 2STG232-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 2X4 SOFTRACE W/PERFORATED BASKET
[LAMP] F32T8
[BALLAST] QUICKTRONIC QTP2X32T8/UNV ISN-SC
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 11/8/2007
[_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	2850 (2 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	4116
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	61
Ballast Factor	0.88
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	1823	2054	2318
55	1634	2025	2374
65	1351	1857	2285
75	1055	1599	1994
85	681	647	664

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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	1394	1394	1394	1394	1394
2.5	1401	1399	1394	1388	1385
5.0	1395	1393	1390	1385	1383
7.5	1386	1384	1381	1379	1377
10.0	1373	1373	1372	1371	1369
12.5	1356	1359	1360	1361	1360
15.0	1339	1341	1343	1348	1349
17.5	1318	1319	1327	1333	1337
20.0	1293	1294	1306	1316	1322
22.5	1261	1267	1281	1297	1304
25.0	1230	1238	1258	1279	1288
27.5	1195	1202	1226	1254	1267
30.0	1157	1168	1198	1234	1251
32.5	1116	1130	1166	1212	1233
35.0	1075	1090	1132	1188	1213
37.5	1023	1042	1097	1162	1191
40.0	970	992	1057	1132	1162
42.5	924	948	1022	1103	1137
45.0	869	895	979	1069	1105
47.5	813	845	936	1029	1069
50.0	755	788	889	983	1023
52.5	695	732	841	935	972
55.0	632	674	783	878	918
57.5	569	610	726	818	856
60.0	506	547	666	755	790
62.5	444	488	596	689	722
65.0	385	430	529	619	651
67.5	331	368	465	547	582
70.0	279	314	403	479	508
72.5	231	261	340	407	428
75.0	184	211	279	330	348
77.5	142	164	222	250	254
80.0	103	120	158	166	156
82.5	69	82	96	81	78
85.0	40	47	38	40	39
87.5	18	15	13	12	13
90.0	5	2	0	0	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1091.26	19.10	26.50
0-40	1802.97	31.60	43.80
0-60	3253.51	57.10	79.10
0-90	4115.58	72.20	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	4115.58	72.20	100.00

Total Luminaire Efficiency = 72.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.03
10-20	379.53
20-30	579.70
30-40	711.70
40-50	757.23
50-60	693.32
60-70	518.95
70-80	285.91
80-90	57.21
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

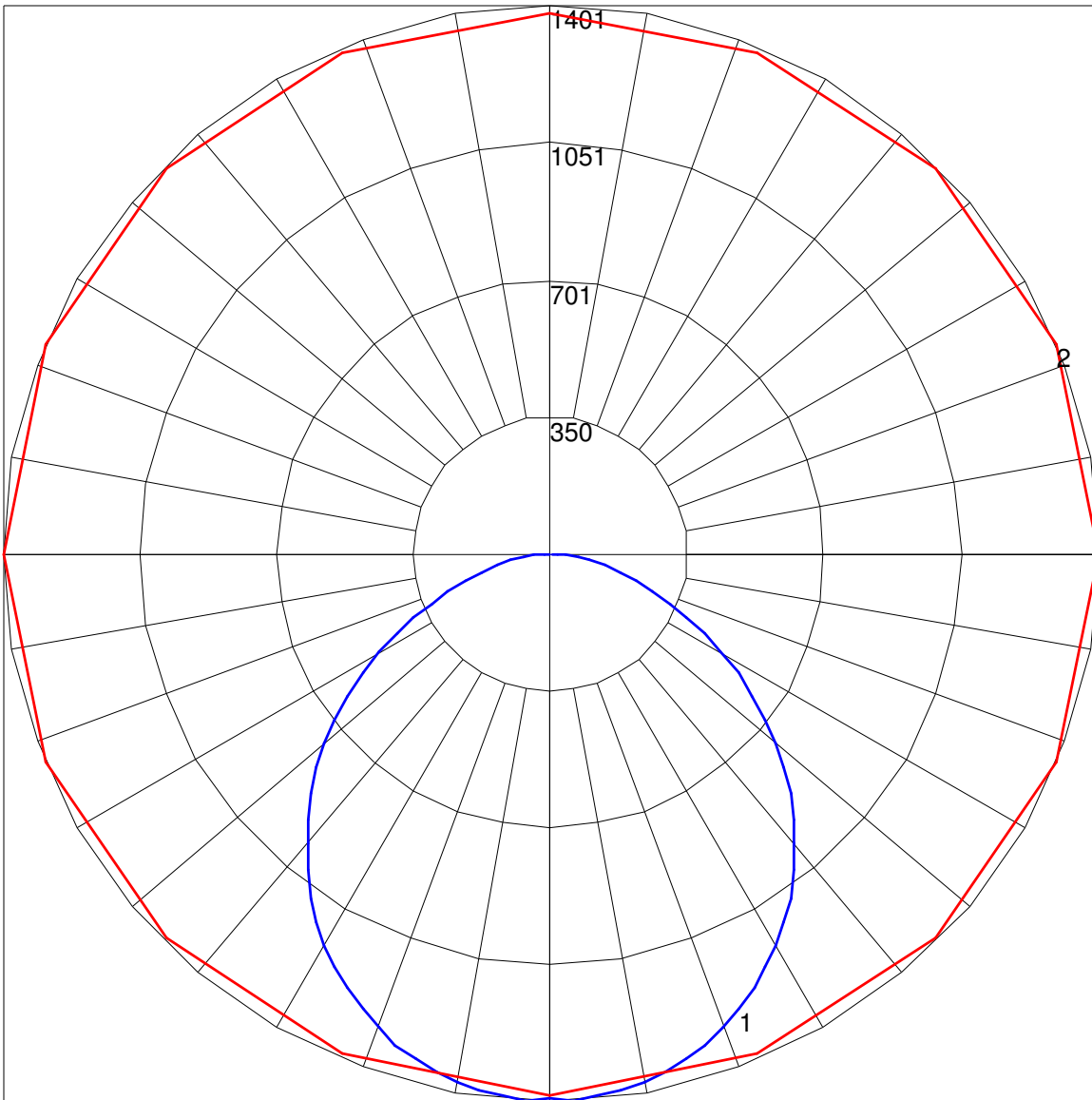
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72
1	79	75	72	69	77	73	71	68	70	68	66	68	66	64	65	63	62	61	61
2	71	65	60	56	69	64	59	56	61	58	54	59	56	53	57	54	52	50	50
3	65	57	51	47	63	56	51	46	54	49	45	52	48	45	50	47	44	42	42
4	59	51	44	39	58	50	44	39	48	43	39	46	42	38	45	41	37	36	36
5	55	45	39	34	53	44	38	34	43	37	33	41	37	33	40	36	32	31	31
6	50	41	34	29	49	40	34	29	39	33	29	37	32	29	36	32	28	27	27
7	47	37	30	26	45	36	30	26	35	30	26	34	29	25	33	29	25	24	24
8	43	33	27	23	42	33	27	23	32	27	23	31	26	23	30	26	22	21	21
9	40	31	25	21	39	30	25	21	29	24	20	29	24	20	28	23	20	19	19
10	38	28	23	19	37	28	22	19	27	22	19	26	22	18	26	22	18	17	17

POLAR GRAPH



Maximum Candela = 1401 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.)