

Day-Brite

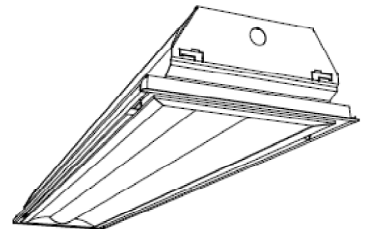
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27104D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27104
[DATE] 11/13/2007
[LUMCAT] 1STGA228-D-1/2-EB
[LUMINAIRE] DAY-BRITE 1X4 SOFTRACE AIR W/DIFFUSE DIFFUSER
[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] 11/13/2007
[_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	4259
Total Luminaire Efficiency	82 %
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
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	4539	4899	5021
55	4096	4494	4505
65	3484	3836	3813
75	2774	3094	2902
85	2012	1974	1822

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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	1552	1552	1552	1552	1552
2.5	1554	1558	1558	1550	1540
5.0	1545	1550	1550	1541	1533
7.5	1539	1542	1544	1534	1528
10.0	1526	1533	1533	1525	1518
12.5	1508	1515	1516	1510	1505
15.0	1490	1495	1498	1495	1491
17.5	1469	1472	1479	1477	1476
20.0	1438	1445	1457	1458	1458
22.5	1411	1417	1432	1438	1440
25.0	1374	1381	1401	1416	1417
27.5	1336	1346	1370	1390	1394
30.0	1296	1306	1334	1362	1366
32.5	1249	1262	1300	1327	1334
35.0	1199	1213	1257	1289	1295
37.5	1147	1163	1211	1241	1247
40.0	1091	1112	1163	1193	1197
42.5	1033	1054	1106	1135	1140
45.0	970	994	1047	1070	1073
47.5	907	932	986	1005	1006
50.0	843	868	916	934	935
52.5	779	803	848	859	858
55.0	710	739	779	786	781
57.5	641	669	706	712	707
60.0	577	602	631	634	631
62.5	509	533	560	560	556
65.0	445	465	490	491	487
67.5	385	402	422	425	421
70.0	323	343	360	358	355
72.5	268	284	297	295	290
75.0	217	230	242	235	227
77.5	168	181	189	178	171
80.0	125	136	139	126	120
82.5	85	95	92	82	79
85.0	53	57	52	49	48
87.5	24	25	24	23	22
90.0	6	6	5	6	6

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1214.00	23.30	28.50
0-40	1995.89	38.40	46.90
0-60	3472.44	66.80	81.50
0-90	4258.59	81.90	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	4258.59	81.90	100.00

Total Luminaire Efficiency = 81.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.01
10-20	422.11
20-30	644.87
30-40	781.89
40-50	796.14
50-60	680.42
60-70	475.08
70-80	247.98
80-90	63.10
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

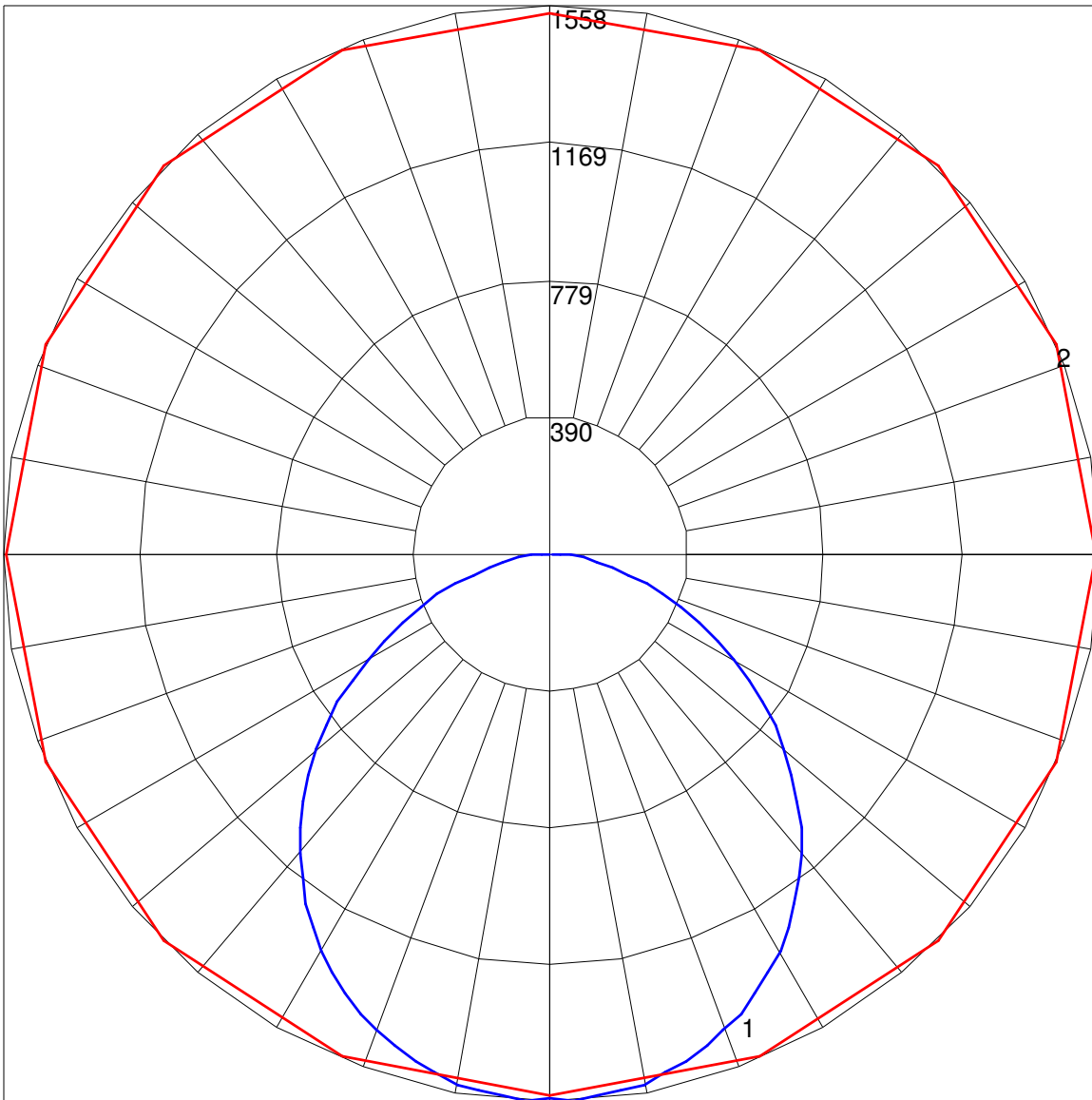
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	97	97	97	95	95	95	95	91	91	91	87	87	87	84	84	84	82	82
1	89	86	82	79	87	84	81	78	80	78	75	77	75	73	74	73	71	69	69
2	82	75	70	65	79	73	68	64	71	66	63	68	64	61	65	62	60	58	58
3	74	66	59	54	72	65	59	54	62	57	53	60	56	52	58	54	51	49	49
4	68	59	52	46	66	58	51	46	55	50	45	54	49	45	52	48	44	42	42
5	63	52	45	40	61	52	45	40	50	44	39	48	43	39	47	42	38	37	37
6	58	47	40	35	56	46	40	35	45	39	34	44	38	34	42	37	34	32	32
7	54	43	36	31	52	42	35	31	41	35	30	40	34	30	39	34	30	28	28
8	50	39	32	27	49	39	32	27	37	31	27	36	31	27	35	31	27	25	25
9	47	36	29	25	46	35	29	25	34	29	25	34	28	24	33	28	24	23	23
10	44	33	27	22	43	33	27	22	32	26	22	31	26	22	30	26	22	21	21

POLAR GRAPH



Maximum Candela = 1558 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.)