

PHILIPS

Day-Brite

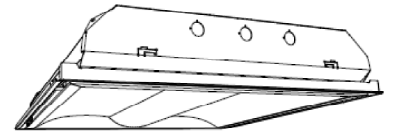
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27039D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27039
[DATE] 10/22/2007
[LUMCAT] 2STGA217-D-1/2-EB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE AIR W/DIFFUSE DIFFUSER
[LAMP] F17T8
[BALLAST] SYLVANIA QTP2X32T8/UNV ISN-SC
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 10/22/2007
[_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	1325 (2 lamps)
Total Lamp Lumens	2650
Luminaire Lumens	2166
Total Luminaire Efficiency	82 %
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	32
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.81 ft
Luminous Height	0.00 ft



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27039D1.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1993	2131	2345
55	1753	2048	2384
65	1460	1853	2225
75	1135	1559	1903
85	783	987	1021

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27039D1.IES**

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	779	779	779	779	779
2.5	776	776	778	779	780
5.0	773	775	775	776	777
7.5	768	769	770	771	772
10.0	762	763	763	763	765
12.5	753	753	758	754	755
15.0	743	742	744	745	745
17.5	731	731	732	732	733
20.0	718	719	719	720	721
22.5	701	703	702	705	707
25.0	685	684	687	689	693
27.5	665	666	668	672	675
30.0	640	643	648	655	659
32.5	618	620	627	639	644
35.0	593	595	605	621	629
37.5	565	568	581	601	612
40.0	537	540	557	582	595
42.5	505	511	533	563	578
45.0	475	481	508	542	559
47.5	442	449	479	520	539
50.0	407	418	452	497	516
52.5	373	384	424	469	489
55.0	339	352	396	441	461
57.5	306	320	362	409	428
60.0	271	285	330	375	391
62.5	240	254	298	339	354
65.0	208	223	264	302	317
67.5	177	192	231	265	278
70.0	150	162	199	228	240
72.5	124	136	167	192	203
75.0	99	109	136	158	166
77.5	76	85	108	124	128
80.0	56	65	81	90	89
82.5	39	45	55	54	53
85.0	23	25	29	30	30
87.5	11	9	12	11	11
90.0	3	1	1	1	1

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27039D1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	600.10	22.60	27.70
0-40	980.17	37.00	45.30
0-60	1728.45	65.20	79.80
0-90	2165.62	81.70	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	2165.62	81.70	100.00

Total Luminaire Efficiency = 81.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.60
10-20	209.94
20-30	316.56
30-40	380.07
40-50	394.43
50-60	353.85
60-70	260.17
70-80	142.31
80-90	34.69
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

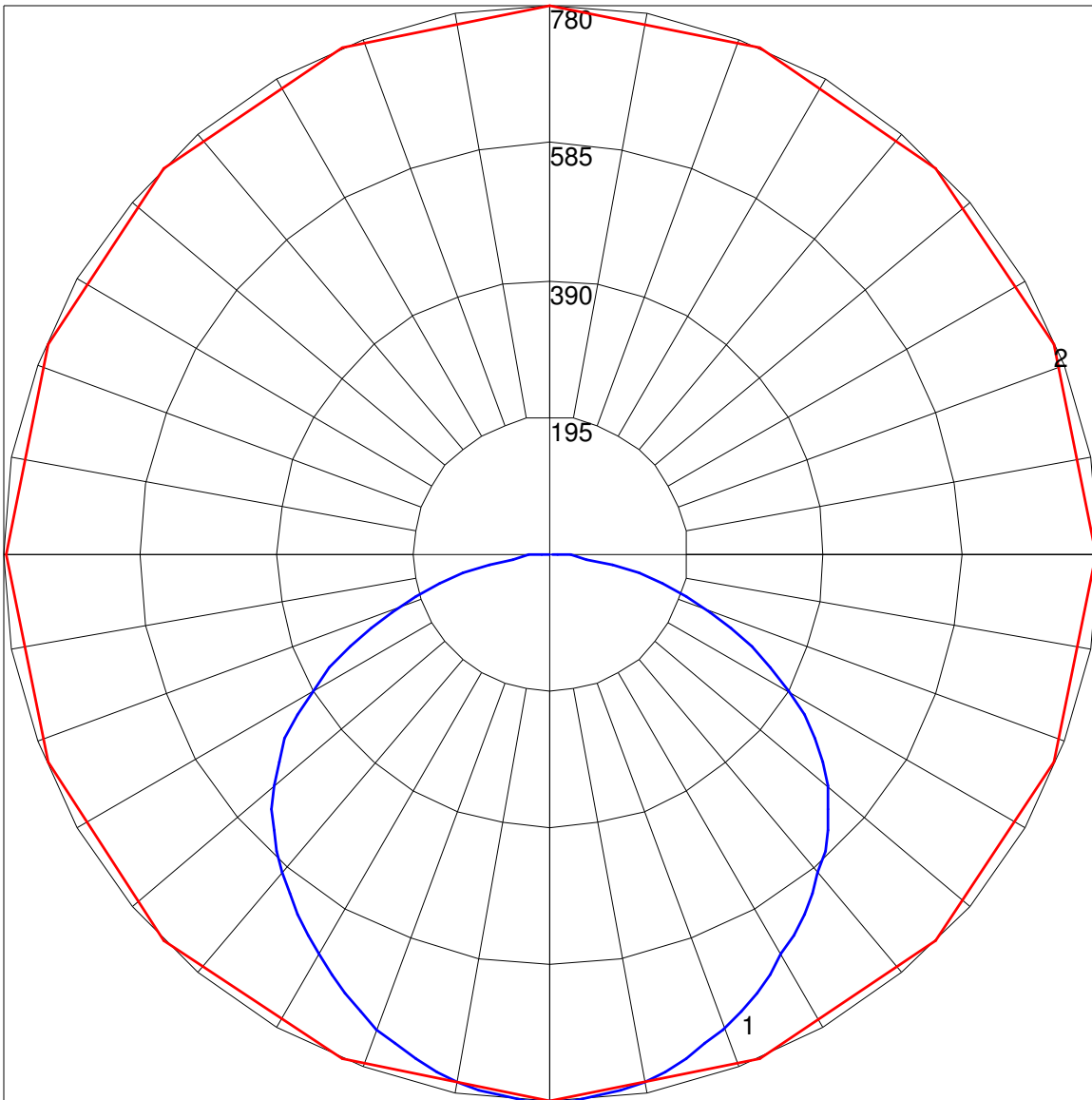
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27039D1.IES

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	83	83	83	82
1	89	85	82	79	87	83	80	77	80	77	75	77	75	73	74	72	70	69
2	81	74	69	64	79	73	68	63	70	66	62	67	64	60	65	62	59	57
3	74	65	59	53	72	64	58	53	61	56	52	59	55	51	57	53	50	48
4	68	58	51	45	66	57	50	45	55	49	44	53	48	44	51	47	43	41
5	62	52	44	39	60	51	44	39	49	43	38	47	42	38	46	41	37	36
6	57	46	39	34	56	46	39	34	44	38	33	43	37	33	42	37	33	31
7	53	42	35	30	52	41	35	30	40	34	30	39	34	29	38	33	29	28
8	50	38	31	27	48	38	31	27	37	31	26	36	30	26	35	30	26	25
9	46	35	29	24	45	35	28	24	34	28	24	33	28	24	32	27	24	22
10	43	33	26	22	42	32	26	22	31	26	22	31	25	22	30	25	21	20

POLAR GRAPH



Maximum Candela = 780 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)