

Day-Brite

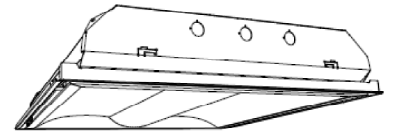
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27397D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27397
[DATE] 05/12/2008
[LUMCAT] 2STGA224HO-D-1/2-EB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE AIR W/DIFFUSE DIFFUSER
[LAMP] F24T5HO
[BALLAST] TRIAD B224PUNV-C
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 5/12/2008
[_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	1760 (2 lamps)
Total Lamp Lumens	3520
Luminaire Lumens	2752
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.81 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	2653	3018	3370
55	2420	2996	3504
65	2099	2796	3431
75	1707	2454	3111
85	1164	1465	1465

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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	905	905	905	905	905
2.5	901	910	910	904	897
5.0	897	907	907	902	895
7.5	892	902	902	899	891
10.0	885	895	896	893	886
12.5	876	886	885	884	878
15.0	864	874	877	877	872
17.5	851	861	867	868	865
20.0	837	847	854	858	855
22.5	818	830	840	847	845
25.0	799	811	825	834	834
27.5	783	791	808	822	824
30.0	753	768	789	808	814
32.5	727	742	769	794	802
35.0	700	717	746	780	791
37.5	672	688	727	764	778
40.0	641	664	702	748	763
42.5	606	629	676	729	746
45.0	573	598	652	708	728
47.5	538	563	624	683	704
50.0	501	526	593	659	679
52.5	461	489	560	627	648
55.0	424	451	525	591	614
57.5	384	413	485	553	575
60.0	347	374	444	512	534
62.5	308	336	403	468	490
65.0	271	296	361	423	443
67.5	236	259	318	374	394
70.0	202	223	276	328	345
72.5	166	185	233	281	296
75.0	135	152	194	232	246
77.5	105	118	153	183	189
80.0	78	89	115	127	128
82.5	53	62	75	78	78
85.0	31	35	39	39	39
87.5	14	13	14	11	10
90.0	5	2	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	711.93	20.20	25.90
0-40	1179.87	33.50	42.90
0-60	2147.19	61.00	78.00
0-90	2752.07	78.20	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	2752.07	78.20	100.00

Total Luminaire Efficiency = 78.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.86
10-20	246.91
20-30	379.16
30-40	467.94
40-50	502.29
50-60	465.03
60-70	355.32
70-80	202.13
80-90	47.43
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

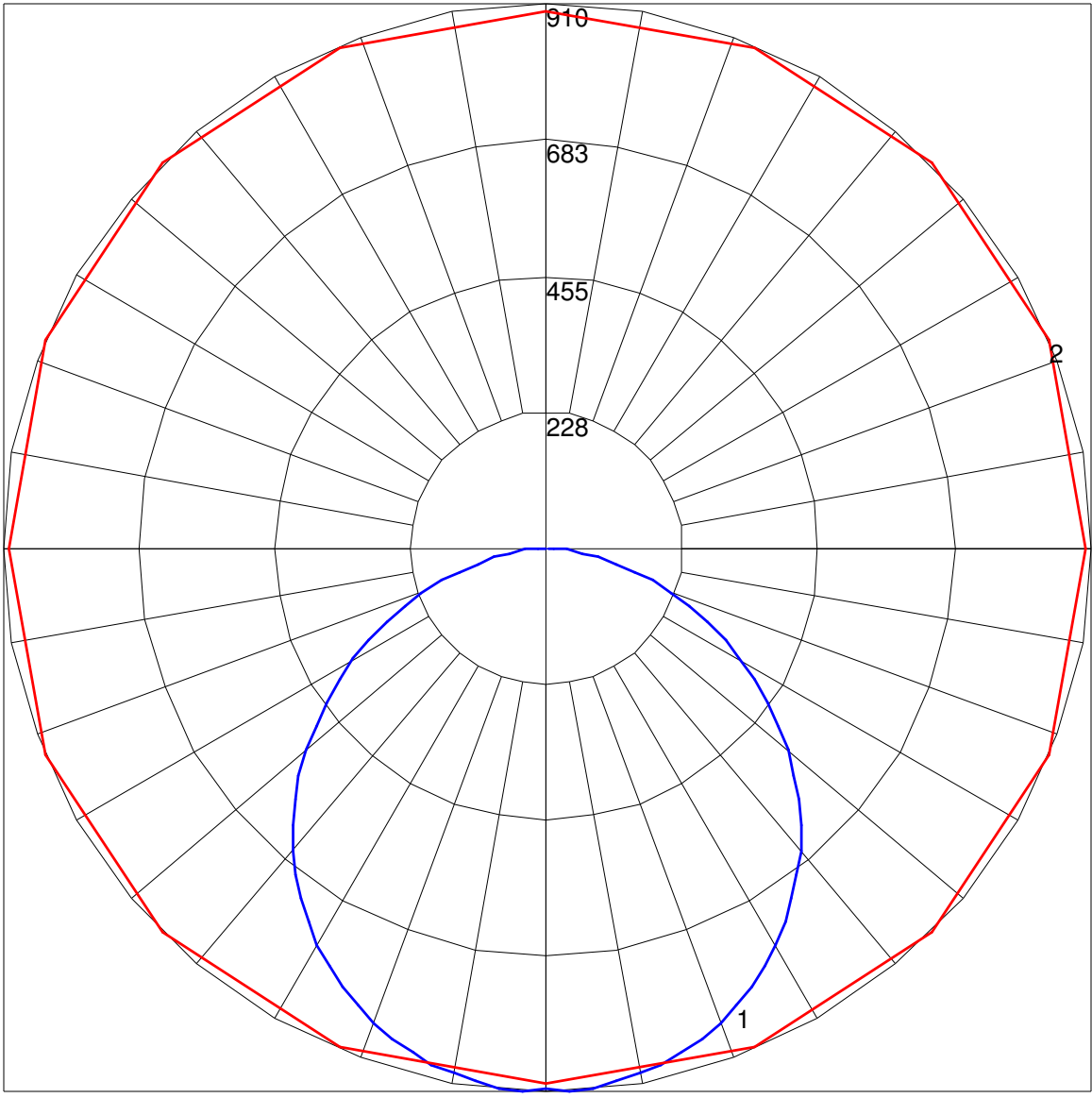
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	93	93	93	91	91	91	91	87	87	87	83	83	83	80	80	80	78
1	85	81	78	75	83	79	76	73	76	73	71	73	71	69	70	68	67	65
2	77	70	65	60	75	69	64	60	66	62	58	64	60	57	61	58	56	54
3	70	62	55	50	68	60	54	49	58	53	49	56	51	48	54	50	47	45
4	64	54	47	42	62	53	47	42	51	46	41	50	45	41	48	44	40	38
5	59	48	41	36	57	48	41	36	46	40	35	44	39	35	43	38	35	33
6	54	44	36	31	53	43	36	31	41	35	31	40	35	31	39	34	30	29
7	50	39	32	28	49	39	32	27	38	32	27	36	31	27	35	30	27	25
8	47	36	29	24	45	35	29	24	34	28	24	33	28	24	32	28	24	22
9	44	33	26	22	42	32	26	22	31	26	22	31	25	22	30	25	22	20
10	41	30	24	20	40	30	24	20	29	24	20	28	23	20	28	23	20	18

POLAR GRAPH



Maximum Candela = 910 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.)