

Day-Brite

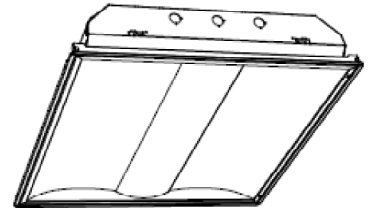
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27398.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27398
[DATE] 05/12/2008
[LUMCAT] 2STG224HO-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE W/PERFORATED BASKET
[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	2488
Total Luminaire Efficiency	71 %
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.42
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	2417	2736	3088
55	2152	2699	3242
65	1789	2494	3207
75	1391	2074	2694
85	901	789	751

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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	844	844	844	844	844
2.5	839	848	848	844	838
5.0	835	844	845	842	835
7.5	830	840	840	838	832
10.0	823	832	834	832	826
12.5	813	823	825	824	819
15.0	802	812	815	816	815
17.5	789	799	805	807	803
20.0	774	786	792	796	794
22.5	758	769	778	784	783
25.0	738	751	761	771	772
27.5	718	730	744	758	760
30.0	693	706	725	742	747
32.5	667	684	707	727	738
35.0	643	656	684	713	722
37.5	616	632	664	699	713
40.0	587	601	640	683	699
42.5	556	574	616	665	684
45.0	522	542	591	646	667
47.5	487	509	566	625	647
50.0	451	475	536	600	623
52.5	415	440	506	574	597
55.0	377	404	473	542	568
57.5	339	366	438	509	534
60.0	302	327	400	472	497
62.5	265	291	361	430	458
65.0	231	256	322	388	414
67.5	198	221	283	345	367
70.0	167	187	243	299	321
72.5	137	155	203	253	270
75.0	110	124	164	202	213
77.5	85	97	125	146	147
80.0	62	69	86	87	78
82.5	41	46	48	41	41
85.0	24	24	21	21	20
87.5	10	9	8	7	6
90.0	3	3	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	659.68	18.70	26.50
0-40	1088.43	30.90	43.80
0-60	1967.47	55.90	79.10
0-90	2487.67	70.70	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	2487.67	70.70	100.00

Total Luminaire Efficiency = 70.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.99
10-20	229.49
20-30	350.19
30-40	428.75
40-50	457.42
50-60	421.62
60-70	318.47
70-80	170.78
80-90	30.96
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

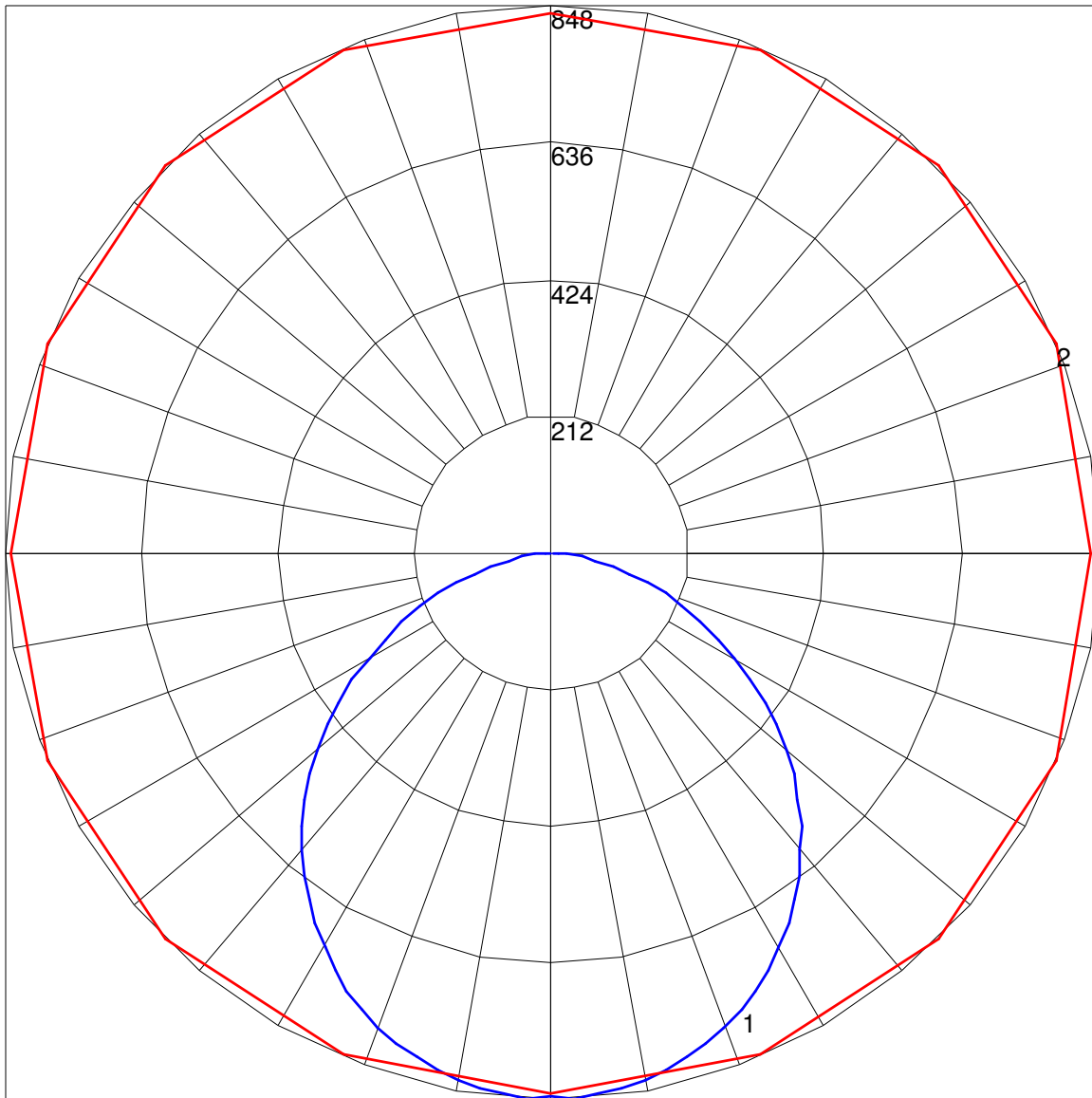
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	84	84	84	84	82	82	82	82	79	79	79	75	75	75	72	72	72	71
1	77	74	71	68	75	72	69	67	69	67	65	66	64	63	64	62	61	59
2	70	64	59	55	68	63	58	54	60	56	53	58	55	52	56	53	51	49
3	64	56	50	46	62	55	50	45	53	48	44	51	47	44	49	46	43	41
4	58	50	43	39	56	49	43	38	47	42	38	45	41	37	44	40	37	35
5	53	44	38	33	52	43	37	33	42	37	32	40	36	32	39	35	32	30
6	49	40	33	29	48	39	33	29	38	32	28	37	32	28	35	31	28	26
7	46	36	30	25	44	35	29	25	34	29	25	33	28	25	32	28	25	23
8	42	33	27	23	41	32	26	22	31	26	22	30	26	22	30	25	22	21
9	40	30	24	20	39	30	24	20	29	24	20	28	23	20	27	23	20	19
10	37	28	22	18	36	27	22	18	27	22	18	26	21	18	25	21	18	17

POLAR GRAPH



Maximum Candela = 848 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.)