

Day-Brite

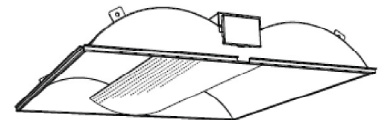
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27586.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27586
[DATE] 07/18/2008
[LUMCAT] 2AVEG224HO-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO ESSENCE
[MORE] FULL RECESSED W/ PERF
[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] 7/21/2008
[_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	1760 (2 lamps)
Total Lamp Lumens	3520
Luminaire Lumens	2347
Total Luminaire Efficiency	67 %
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	52
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)	2.00 ft
Luminous Width (90-270)	2.00 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	1905	2087	2270
55	1716	2072	2376
65	1419	2074	2475
75	1132	1828	1652
85	709	771	802

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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	800	800	800	800	800
2.5	804	798	797	797	800
5.0	801	796	794	795	798
7.5	796	791	791	792	795
10.0	789	784	784	786	789
12.5	779	775	776	779	783
15.0	768	765	768	772	776
17.5	755	751	755	760	765
20.0	741	739	744	752	758
22.5	726	722	730	740	747
25.0	708	707	716	728	735
27.5	689	689	700	714	724
30.0	666	667	682	698	707
32.5	642	645	663	681	691
35.0	616	620	641	662	674
37.5	589	596	619	643	655
40.0	561	569	597	624	638
42.5	531	541	573	603	618
45.0	501	512	549	581	597
47.5	470	484	524	559	575
50.0	435	454	497	535	553
52.5	401	422	470	511	530
55.0	366	389	442	487	507
57.5	328	356	412	461	481
60.0	293	324	384	436	456
62.5	256	291	355	407	425
65.0	223	259	326	374	389
67.5	193	229	296	336	346
70.0	165	198	262	288	294
72.5	136	168	221	235	229
75.0	109	139	176	167	159
77.5	84	110	123	104	103
80.0	63	78	70	71	73
82.5	42	48	44	47	49
85.0	23	24	25	26	26
87.5	9	9	8	9	9
90.0	3	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	623.59	17.70	26.60
0-40	1025.55	29.10	43.70
0-60	1840.17	52.30	78.40
0-90	2347.09	66.70	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	2347.09	66.70	100.00

Total Luminaire Efficiency = 66.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.68
10-20	216.93
20-30	330.97
30-40	401.97
40-50	422.78
50-60	391.83
60-70	311.64
70-80	163.63
80-90	31.65
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

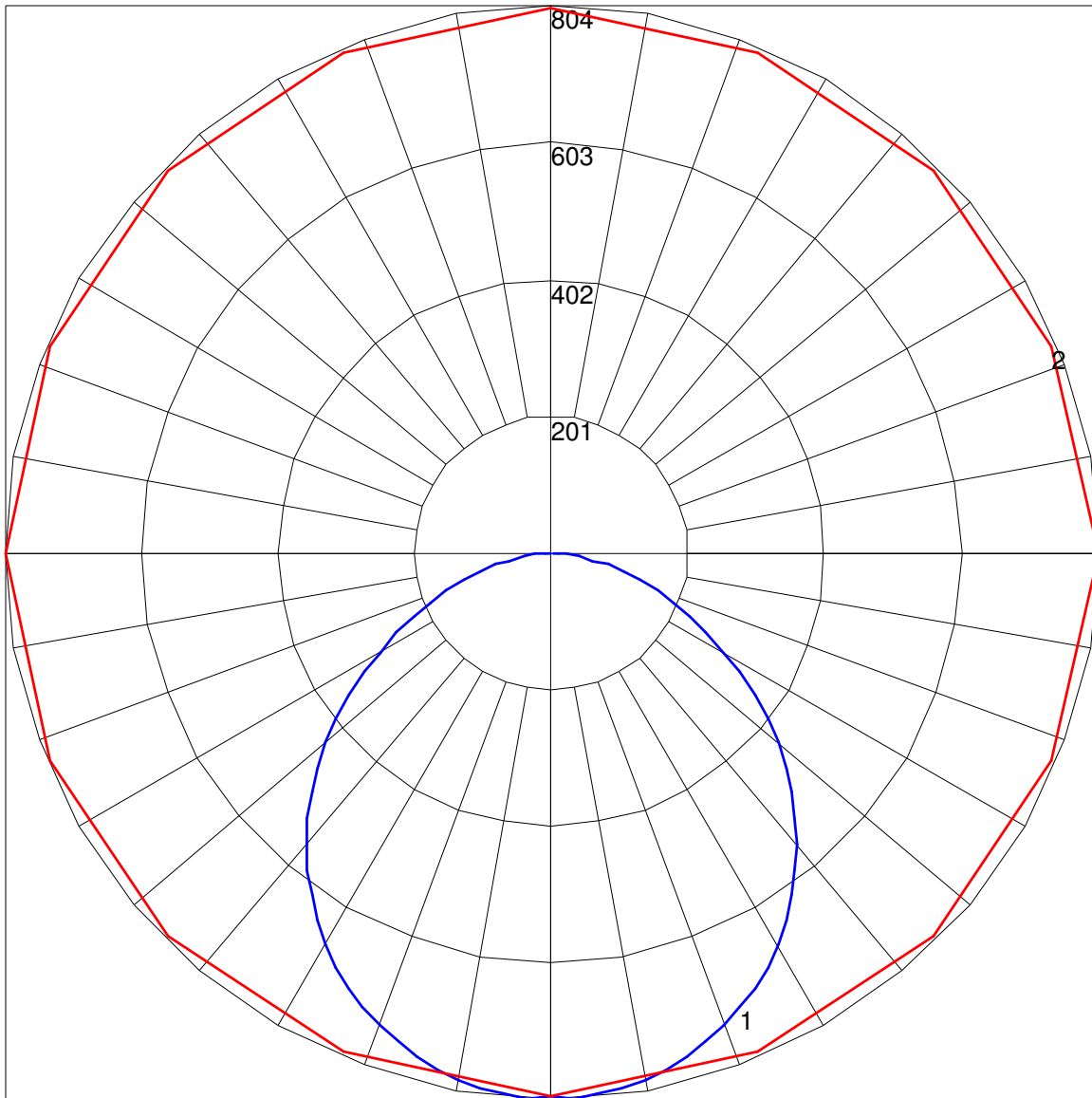
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	79	79	79	79	78	78	78	78	74	74	74	71	71	71	68	68	68	67
1	73	69	67	64	71	68	65	63	65	63	61	62	61	59	60	59	57	56
2	66	60	56	52	64	59	55	51	57	53	50	54	51	49	52	50	48	46
3	60	53	47	43	58	52	47	43	50	45	42	48	44	41	46	43	40	39
4	55	47	41	36	53	46	40	36	44	39	35	43	38	35	41	37	34	33
5	50	42	36	31	49	41	35	31	39	34	31	38	34	30	37	33	30	28
6	46	37	31	27	45	37	31	27	36	30	27	34	30	26	33	29	26	25
7	43	34	28	24	42	33	28	24	32	27	24	31	27	23	30	26	23	22
8	40	31	25	21	39	30	25	21	29	25	21	29	24	21	28	24	21	19
9	37	28	23	19	36	28	23	19	27	22	19	26	22	19	26	22	19	17
10	35	26	21	17	34	26	21	17	25	20	17	24	20	17	24	20	17	16

POLAR GRAPH



Maximum Candela = 804 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.)