

Day-Brite

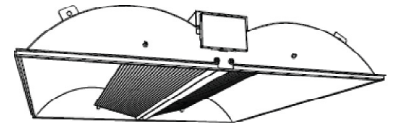
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27583.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27583
[DATE] 07/18/2008
[LUMCAT] 2AVEG224HO-FGL-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO ESSENCE GLASS
[MORE] FULL RECESSED
[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	2469
Total Luminaire Efficiency	70 %
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
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)	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	2087	2198	2296
55	1936	2128	2240
65	1743	2029	2163
75	1465	1797	1433
85	925	987	771

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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	885	885	885	885	885
2.5	887	882	880	882	886
5.0	884	879	877	879	883
7.5	877	872	871	873	878
10.0	869	865	864	866	871
12.5	858	854	853	857	861
15.0	848	845	845	845	849
17.5	831	828	826	830	836
20.0	813	811	811	817	823
22.5	795	791	793	800	807
25.0	773	770	775	783	790
27.5	746	748	751	762	771
30.0	725	723	733	744	752
32.5	698	698	709	723	732
35.0	671	673	685	699	710
37.5	644	646	660	677	689
40.0	614	616	633	652	662
42.5	582	585	605	626	633
45.0	549	555	578	598	604
47.5	518	524	549	567	572
50.0	485	491	518	534	540
52.5	448	457	486	500	509
55.0	413	428	454	470	478
57.5	381	394	421	438	446
60.0	345	361	385	404	413
62.5	309	329	351	373	379
65.0	274	296	319	336	340
67.5	241	260	285	300	300
70.0	206	225	250	258	252
72.5	173	191	213	205	195
75.0	141	156	173	151	138
77.5	109	122	126	106	106
80.0	79	87	79	81	79
82.5	53	56	55	55	52
85.0	30	30	32	27	25
87.5	14	12	10	8	7
90.0	5	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	679.64	19.30	27.50
0-40	1109.56	31.50	44.90
0-60	1955.6	55.60	79.20
0-90	2468.6	70.10	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	2468.6	70.10	100.00

Total Luminaire Efficiency = 70.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.51
10-20	238.16
20-30	357.97
30-40	429.92
40-50	444.68
50-60	401.36
60-70	310.29
70-80	165.86
80-90	36.85
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

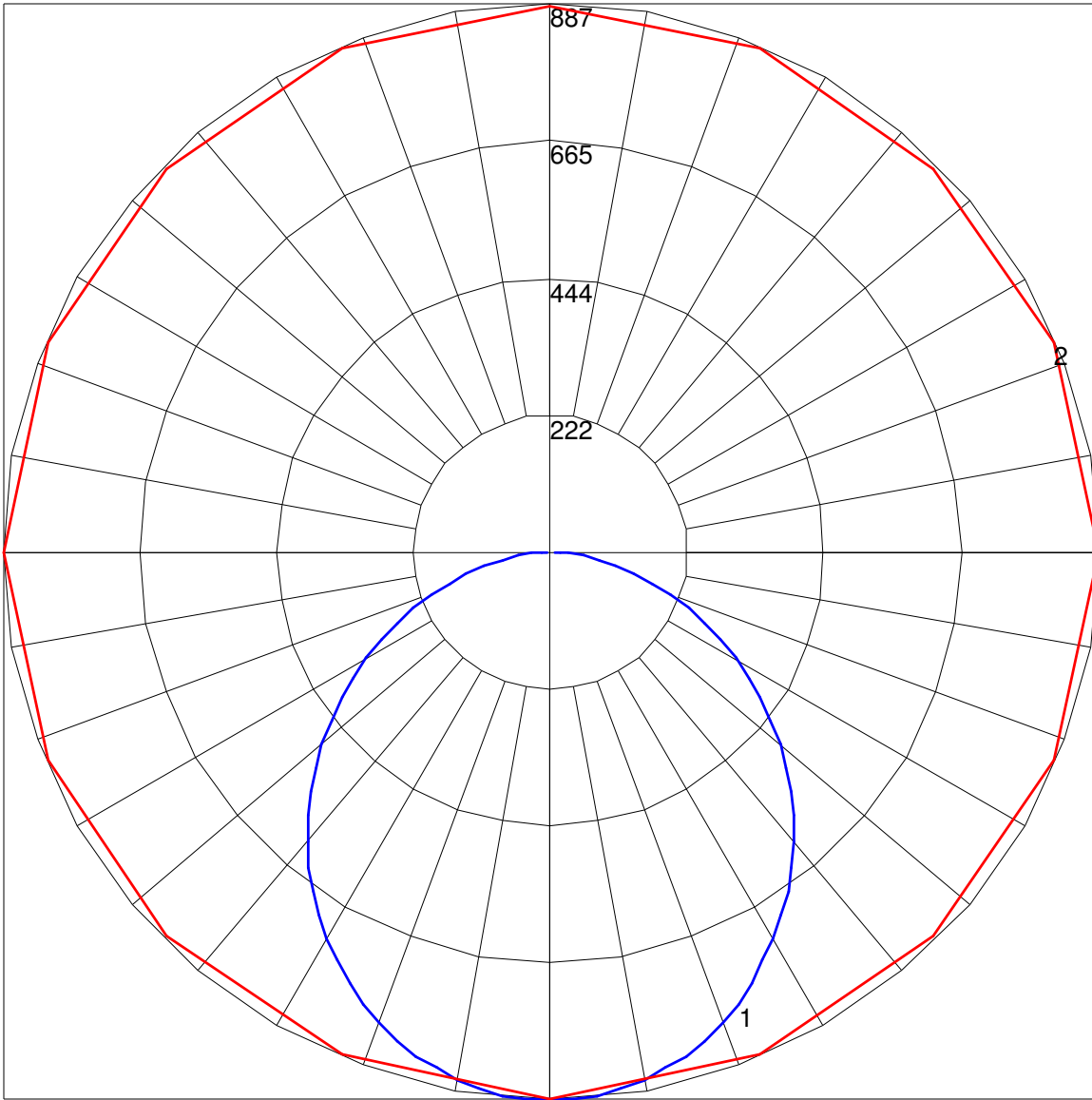
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	83	83	83	82	82	82	82	78	78	78	75	75	75	72	72	72	70	70
1	76	73	70	67	74	71	69	66	68	66	64	66	64	62	63	62	60	59	59
2	69	64	59	55	68	62	58	54	60	56	53	58	54	52	55	53	51	49	49
3	63	56	50	46	62	55	49	45	53	48	44	51	47	44	49	46	43	41	41
4	58	49	43	39	56	49	43	38	47	42	38	45	41	37	44	40	37	35	35
5	53	44	38	33	52	43	37	33	42	37	33	40	36	32	39	35	32	30	30
6	49	40	33	29	48	39	33	29	38	33	29	37	32	28	36	31	28	27	27
7	46	36	30	26	44	35	30	25	34	29	25	33	29	25	32	28	25	23	23
8	42	33	27	23	41	32	27	23	31	26	23	31	26	22	30	25	22	21	21
9	40	30	24	20	39	30	24	20	29	24	20	28	24	20	27	23	20	19	19
10	37	28	22	19	36	27	22	19	27	22	18	26	22	18	25	21	18	17	17

POLAR GRAPH



Maximum Candela = 887 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.)