

Day-Brite

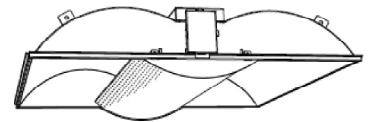
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27587.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27587
[DATE] 07/21/2008
[LUMCAT] 2AVDG224HO-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 MID-DEPTH SEMI-RECESSED
[MORE] 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	2477
Total Luminaire Efficiency	70 %
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	53
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)	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	1962	2156	2357
55	1791	2165	2484
65	1546	2195	2576
75	1257	2088	2493
85	833	1141	1758

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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	815	815	815	815	815
2.5	819	814	812	813	815
5.0	815	811	809	811	812
7.5	810	805	805	807	809
10.0	803	798	799	802	803
12.5	794	791	792	796	798
15.0	783	780	782	788	792
17.5	771	768	772	778	783
20.0	756	754	759	770	774
22.5	739	739	746	758	765
25.0	720	720	730	746	752
27.5	702	703	715	733	739
30.0	679	682	697	718	726
32.5	656	661	678	700	710
35.0	631	636	658	683	694
37.5	605	610	637	665	678
40.0	576	585	615	646	660
42.5	546	558	592	626	642
45.0	516	529	567	605	620
47.5	485	499	543	584	600
50.0	451	469	517	560	577
52.5	418	439	489	536	555
55.0	382	406	462	511	530
57.5	347	376	434	483	502
60.0	311	342	406	454	471
62.5	276	310	375	424	439
65.0	243	278	345	389	405
67.5	209	248	310	355	369
70.0	180	216	275	318	331
72.5	149	185	238	274	287
75.0	121	153	201	232	240
77.5	94	122	162	179	179
80.0	69	90	120	117	115
82.5	46	59	66	73	78
85.0	27	31	37	50	57
87.5	10	10	19	31	37
90.0	3	2	8	18	22

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	636.83	18.10	25.70
0-40	1049.9	29.80	42.40
0-60	1897.81	53.90	76.60
0-90	2476.96	70.40	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	2476.96	70.40	100.00

Total Luminaire Efficiency = 70.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.09
10-20	221.47
20-30	338.27
30-40	413.06
40-50	437.92
50-60	409.98
60-70	330.03
70-80	199.25
80-90	49.88
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

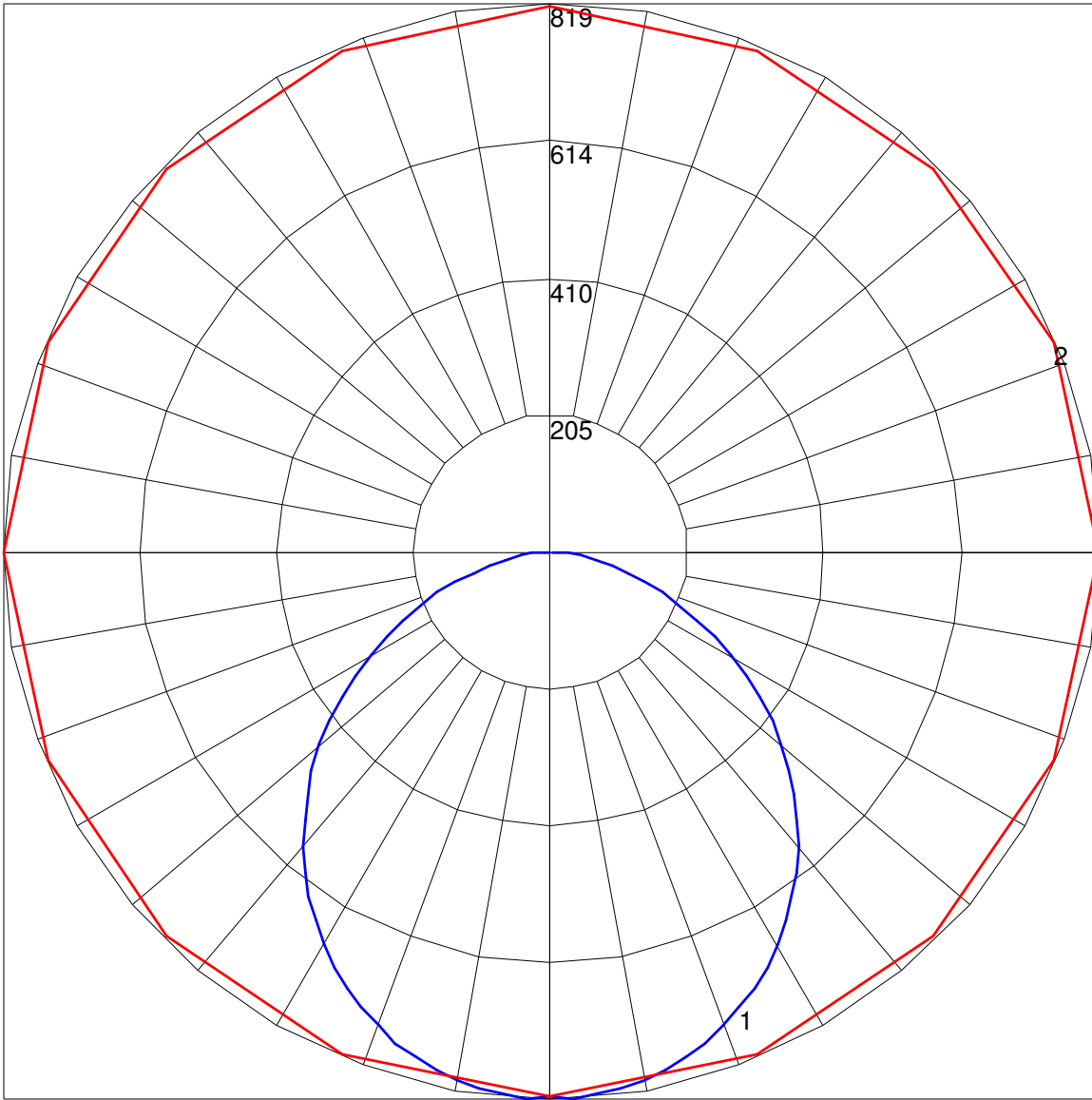
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	84	84	84	82	82	82	82	78	78	78	75	75	75	72	72	72	70
1	76	73	70	67	74	71	68	66	68	66	64	65	63	62	63	61	60	58
2	69	63	58	54	67	62	57	53	59	55	52	57	54	51	55	52	50	48
3	63	55	49	44	61	54	48	44	52	47	43	50	46	42	48	45	42	40
4	57	49	42	37	56	48	42	37	46	41	37	44	40	36	43	39	36	34
5	53	43	37	32	51	43	36	32	41	36	31	40	35	31	38	34	31	29
6	49	39	32	28	47	38	32	28	37	31	27	36	31	27	35	30	27	25
7	45	35	29	24	44	35	29	24	34	28	24	32	28	24	32	27	24	22
8	42	32	26	22	41	32	26	22	31	25	22	30	25	21	29	25	21	20
9	39	29	24	20	38	29	23	19	28	23	19	27	23	19	27	22	19	18
10	37	27	21	18	36	27	21	18	26	21	18	25	21	17	25	20	17	16

POLAR GRAPH



Maximum Candela = 819 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.)