

Day-Brite

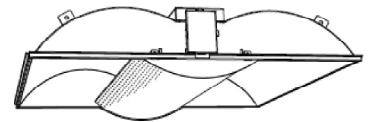
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27578.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27578
[DATE] 07/16/2008
[LUMCAT] 2AVDG214-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO MID-DEPTH SEMI-RECESSED
[MORE] W/ PERF
[LAMP] F14T5
[BALLAST] TRIAD B228PUNV-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	1200 (2 lamps)
Total Lamp Lumens	2400
Luminaire Lumens	1568
Total Luminaire Efficiency	65 %
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	34
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 w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.08 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1183	1293	1424
55	1057	1267	1473
65	893	1243	1501
75	692	1107	1393
85	376	461	773

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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	513	513	513	513	513
2.5	512	513	513	513	512
5.0	510	512	512	512	511
7.5	507	509	509	509	508
10.0	503	505	506	506	506
12.5	495	497	499	500	500
15.0	490	492	494	499	500
17.5	483	485	488	492	493
20.0	473	476	480	485	486
22.5	462	466	472	477	480
25.0	451	455	463	469	472
27.5	441	442	451	460	464
30.0	425	429	439	449	455
32.5	412	416	430	442	446
35.0	396	401	417	431	437
37.5	376	383	400	418	424
40.0	361	369	389	406	414
42.5	343	353	375	395	402
45.0	324	335	360	381	390
47.5	305	315	344	367	377
50.0	283	296	327	353	363
52.5	261	277	310	338	348
55.0	239	256	293	322	333
57.5	218	237	276	306	316
60.0	196	217	259	288	298
62.5	174	197	240	268	278
65.0	153	177	220	246	257
67.5	133	158	200	225	234
70.0	113	137	178	204	210
72.5	94	118	155	177	185
75.0	77	99	130	150	155
77.5	60	79	105	117	117
80.0	44	59	78	77	69
82.5	31	39	46	46	49
85.0	18	21	25	34	37
87.5	8	9	13	20	24
90.0	3	2	6	11	14

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	401.11	16.70	25.60
0-40	661.06	27.50	42.20
0-60	1196.15	49.80	76.30
0-90	1567.56	65.30	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	1567.56	65.30	100.00

Total Luminaire Efficiency = 65.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.62
10-20	139.58
20-30	212.91
30-40	259.95
40-50	276.23
50-60	258.86
60-70	209.87
70-80	128.51
80-90	33.03
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

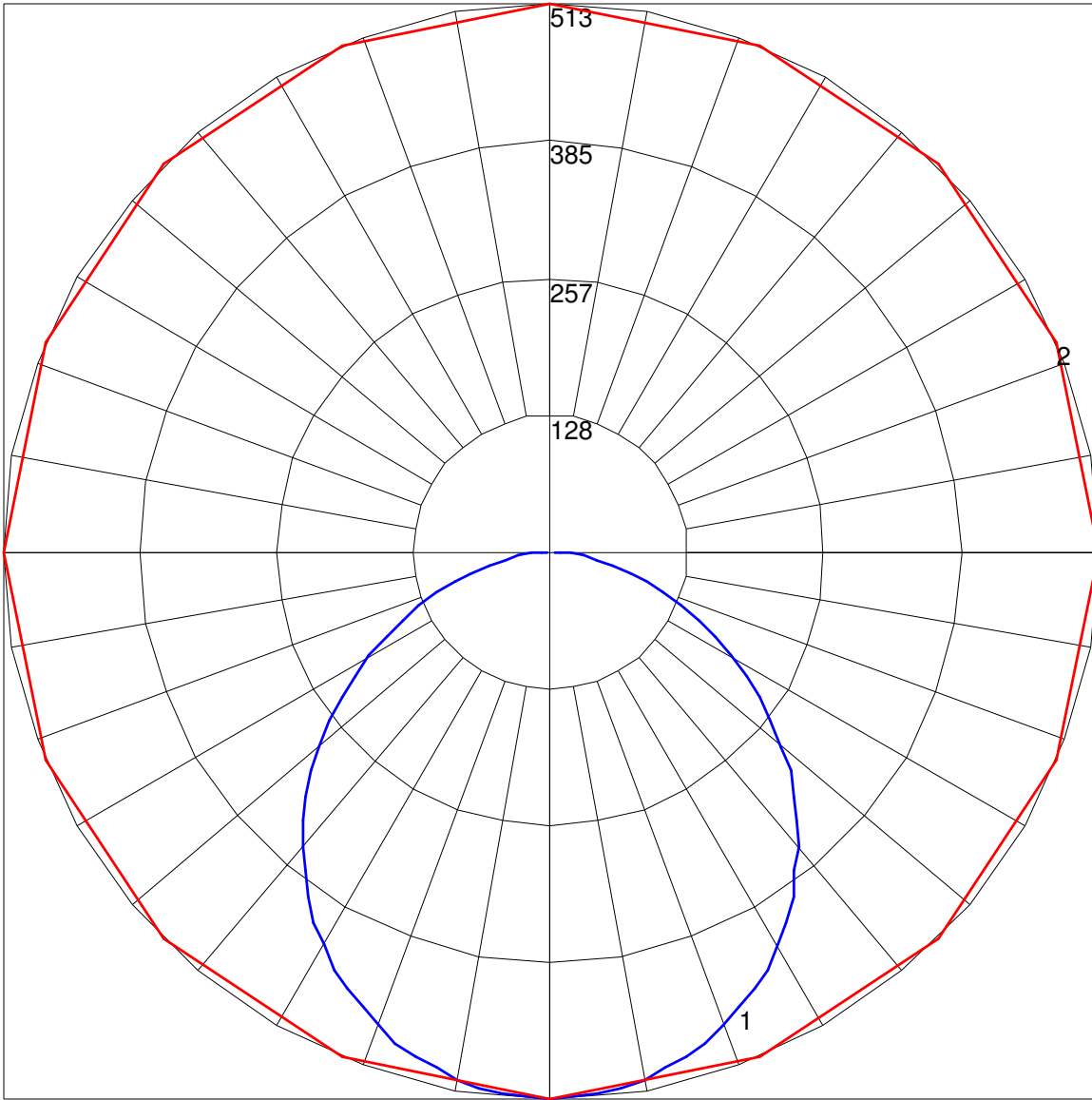
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	78	78	78	76	76	76	76	73	73	73	69	69	69	67	67	67	65
1	71	67	65	62	69	66	63	61	63	61	59	61	59	57	58	57	55	54
2	64	58	54	50	62	57	53	49	55	51	48	53	50	47	51	48	46	44
3	58	51	46	41	57	50	45	41	48	44	40	46	42	39	44	41	39	37
4	53	45	39	35	52	44	39	34	42	38	34	41	37	33	40	36	33	31
5	49	40	34	30	47	39	34	29	38	33	29	37	32	29	35	32	28	27
6	45	36	30	26	44	35	30	26	34	29	25	33	29	25	32	28	25	24
7	42	33	27	23	40	32	27	23	31	26	22	30	26	22	29	25	22	21
8	39	30	24	20	38	29	24	20	28	23	20	28	23	20	27	23	20	18
9	36	27	22	18	35	27	22	18	26	21	18	25	21	18	25	21	18	17
10	34	25	20	16	33	25	20	16	24	19	16	23	19	16	23	19	16	15

POLAR GRAPH



Maximum Candela = 513 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)