

Day-Brite

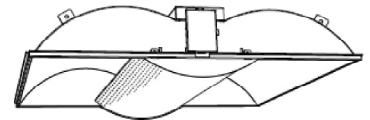
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27894.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27894
[DATE] 11/20/2008
[LUMCAT] 2AVDG217-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO MID-DEPTH SEMI-RECESSED
[LAMP] F17T8
[BALLAST] ADVANCE ICN-2P32-N
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 11/21/2008
[_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	1325 (2 lamps)
Total Lamp Lumens	2650
Luminaire Lumens	1879
Total Luminaire Efficiency	71 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	32
Ballast Factor	0.90
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	0.21 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1319	1422	1618
55	1155	1363	1608
65	936	1252	1659
75	673	1126	1354
85	268	471	746

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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	607	607	607	607	607
2.5	607	607	606	606	606
5.0	605	604	604	604	605
7.5	601	601	601	602	603
10.0	596	596	597	599	600
12.5	589	590	591	594	595
15.0	581	582	585	588	591
17.5	571	573	577	582	585
20.0	561	564	569	576	579
22.5	549	551	558	567	571
25.0	537	539	547	557	562
27.5	521	526	536	548	553
30.0	505	511	524	538	545
32.5	487	494	511	526	534
35.0	469	476	495	514	522
37.5	449	458	480	501	511
40.0	427	438	463	486	498
42.5	405	418	447	473	485
45.0	383	397	429	459	470
47.5	359	375	410	442	452
50.0	334	352	391	422	434
52.5	309	329	373	402	414
55.0	283	304	352	381	394
57.5	256	281	323	360	376
60.0	231	257	306	341	358
62.5	205	233	284	322	339
65.0	180	210	259	302	319
67.5	156	188	238	281	296
70.0	134	164	216	256	265
72.5	111	139	192	221	226
75.0	90	116	168	180	181
77.5	71	95	131	139	138
80.0	53	73	94	98	90
82.5	35	52	63	66	66
85.0	19	30	41	50	53
87.5	8	15	27	39	43
90.0	2	5	15	28	33

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	475.69	18.00	25.30
0-40	785.69	29.60	41.80
0-60	1422.64	53.70	75.70
0-90	1879.24	70.90	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	1879.24	70.90	100.00

Total Luminaire Efficiency = 70.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.47
10-20	165.29
20-30	252.93
30-40	310.00
40-50	329.62
50-60	307.34
60-70	252.64
70-80	156.58
80-90	47.37
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

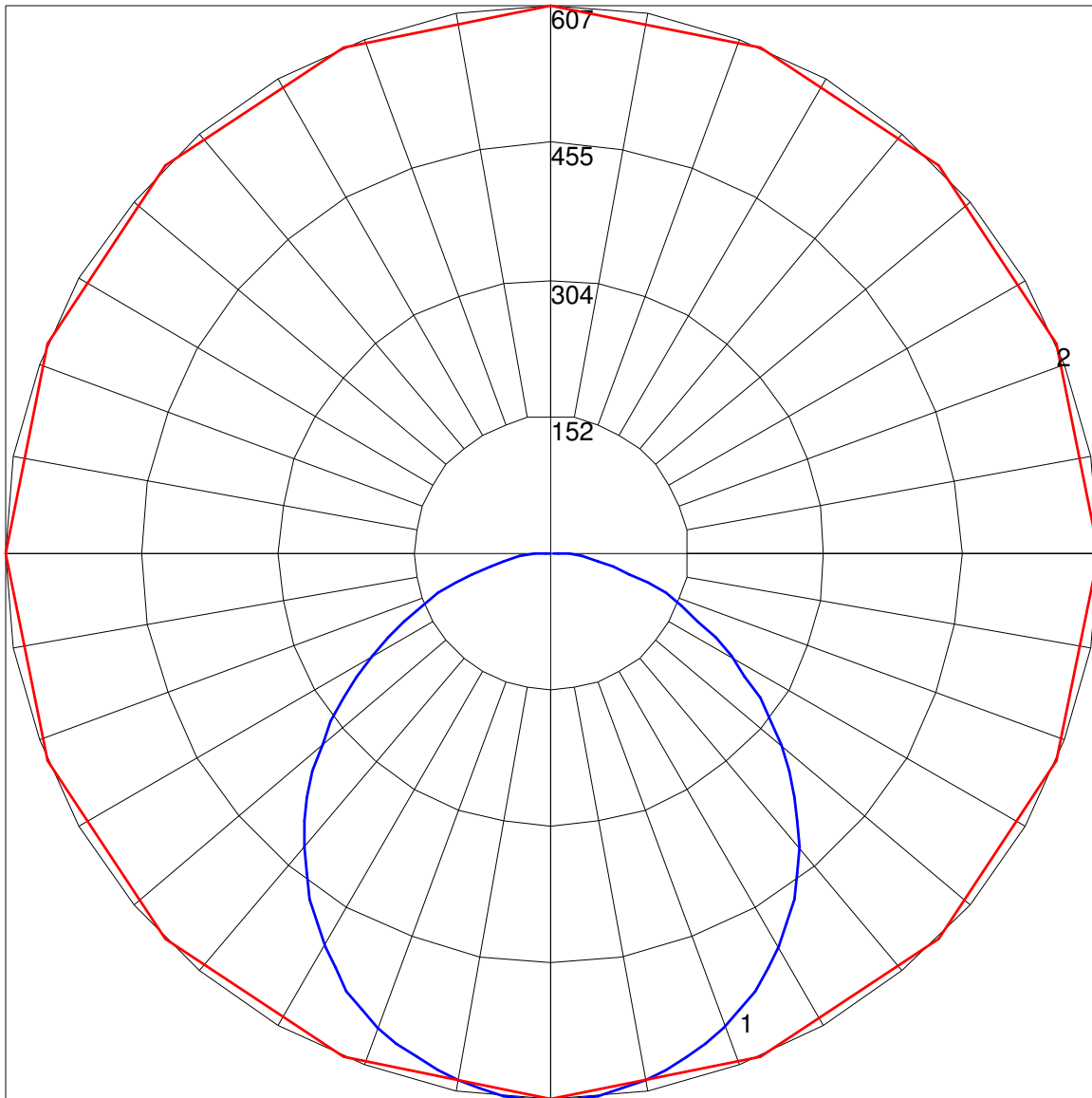
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	79	79	79	75	75	75	72	72	72	71
1	77	73	70	67	75	71	68	66	68	66	64	66	64	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	58	49	42	37	56	48	42	37	46	41	36	44	40	36	43	39	35	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	33	28	24	32	27	24	22
8	42	32	26	22	41	32	26	22	31	25	21	30	25	21	29	24	21	20
9	39	29	23	19	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	17	25	21	17	25	20	17	16

POLAR GRAPH



Maximum Candela = 607 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.)