

Day-Brite

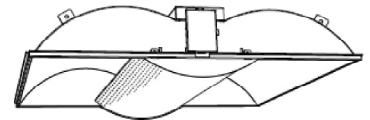
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27895.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27895
[DATE] 11/21/2008
[LUMCAT] 2AVDG317-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO MID-DEPTH SEMI-RECESSED
[LAMP] F17T8
[BALLAST] TRIAD B332IUNVHP-A
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 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 (3 lamps)
Total Lamp Lumens	3975
Luminaire Lumens	2672
Total Luminaire Efficiency	67 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	47
Ballast Factor	0.93
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	1877	2025	2314
55	1616	1929	2301
65	1284	1779	2376
75	928	1589	1915
85	380	621	1000

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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	875	875	875	875	875
2.5	873	874	874	873	873
5.0	869	872	871	871	871
7.5	864	866	867	867	868
10.0	856	859	861	863	864
12.5	845	849	852	855	856
15.0	833	837	843	847	850
17.5	820	824	831	837	841
20.0	804	809	817	827	831
22.5	785	790	802	812	818
25.0	765	772	785	799	806
27.5	743	751	769	785	795
30.0	720	729	749	770	780
32.5	693	704	728	754	764
35.0	665	678	707	736	748
37.5	640	653	686	716	730
40.0	609	624	662	696	712
42.5	578	595	636	676	692
45.0	545	563	611	656	672
47.5	509	531	584	631	647
50.0	471	497	557	604	621
52.5	433	462	529	575	594
55.0	396	428	498	545	564
57.5	357	392	466	515	538
60.0	320	357	435	488	514
62.5	284	322	400	461	486
65.0	247	290	368	432	457
67.5	214	257	337	401	424
70.0	182	227	307	366	380
72.5	151	192	273	314	321
75.0	124	161	237	255	256
77.5	95	130	188	194	192
80.0	70	103	131	131	124
82.5	46	72	83	86	88
85.0	27	42	54	67	71
87.5	11	20	35	52	58
90.0	2	5	20	35	43

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	682.86	17.20	25.60
0-40	1125.53	28.30	42.10
0-60	2031.58	51.10	76.00
0-90	2671.67	67.20	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	2671.67	67.20	100.00

Total Luminaire Efficiency = 67.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.81
10-20	237.75
20-30	362.30
30-40	442.67
40-50	469.70
50-60	436.35
60-70	356.72
70-80	219.81
80-90	63.55
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

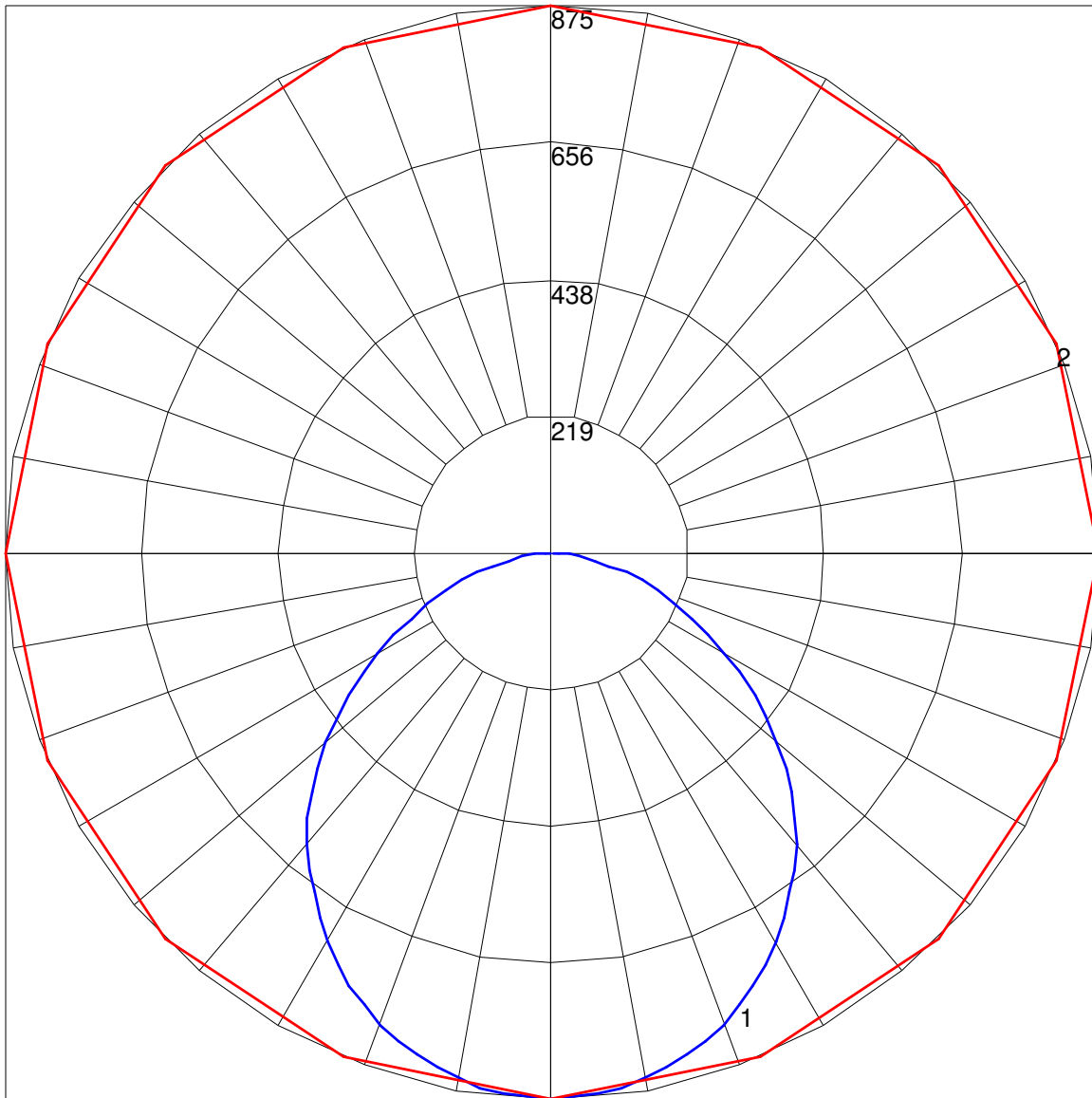
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	80	80	80	80	78	78	78	78	75	75	75	72	72	72	69	69	69	67
1	73	69	66	64	71	68	65	62	65	63	61	62	60	59	60	58	57	55
2	66	60	55	51	64	59	54	51	56	53	49	54	51	48	52	49	47	46
3	60	52	47	42	58	51	46	42	49	45	41	47	44	40	46	42	40	38
4	55	46	40	36	53	45	40	35	44	39	35	42	38	34	41	37	34	32
5	50	41	35	30	49	40	35	30	39	34	30	38	33	30	36	32	29	28
6	46	37	31	26	45	36	31	26	35	30	26	34	29	26	33	29	26	24
7	43	34	27	23	42	33	27	23	32	27	23	31	26	23	30	26	23	21
8	40	31	25	21	39	30	25	21	29	24	20	28	24	20	28	23	20	19
9	37	28	22	19	36	28	22	19	27	22	18	26	22	18	25	21	18	17
10	35	26	20	17	34	25	20	17	25	20	17	24	20	17	24	19	17	15

POLAR GRAPH



Maximum Candela = 875 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.)