

# Day-Brite

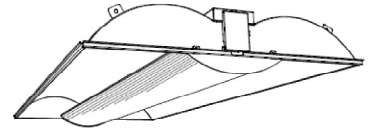
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 27893.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 27893  
[DATE] 11/20/2008  
[LUMCAT] 2AVDG232-PMW-EB  
[LUMINAIRE] DAY-BRITE 2X4 ARIOSO MID-DEPTH SEMI-RECESSED  
[LAMP] F32T8  
[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] 11/20/2008  
[\_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	2850 (2 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	4079
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	58
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 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	1507	1577	1715
55	1368	1547	1724
65	1159	1494	1804
75	909	1423	1507
85	474	559	859

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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>
<b>0.0</b>	1295	1295	1295	1295	1295
<b>2.5</b>	1303	1300	1296	1290	1286
<b>5.0</b>	1298	1294	1290	1285	1282
<b>7.5</b>	1289	1287	1284	1280	1276
<b>10.0</b>	1278	1276	1275	1271	1269
<b>12.5</b>	1264	1262	1263	1261	1259
<b>15.0</b>	1247	1247	1249	1249	1249
<b>17.5</b>	1226	1227	1232	1233	1235
<b>20.0</b>	1205	1207	1214	1220	1221
<b>22.5</b>	1180	1183	1194	1202	1205
<b>25.0</b>	1151	1155	1171	1183	1189
<b>27.5</b>	1120	1125	1144	1161	1170
<b>30.0</b>	1086	1093	1118	1139	1149
<b>32.5</b>	1050	1060	1089	1116	1126
<b>35.0</b>	1013	1024	1058	1091	1103
<b>37.5</b>	968	984	1024	1062	1078
<b>40.0</b>	927	944	992	1034	1052
<b>42.5</b>	880	902	956	1004	1028
<b>45.0</b>	834	859	921	977	996
<b>47.5</b>	783	811	882	940	958
<b>50.0</b>	730	763	844	900	920
<b>52.5</b>	678	717	807	860	883
<b>55.0</b>	627	669	764	822	845
<b>57.5</b>	569	620	719	779	810
<b>60.0</b>	515	571	673	741	773
<b>62.5</b>	459	521	626	704	735
<b>65.0</b>	405	472	581	664	694
<b>67.5</b>	355	423	537	618	647
<b>70.0</b>	305	378	493	568	585
<b>72.5</b>	258	329	446	491	495
<b>75.0</b>	209	281	387	399	403
<b>77.5</b>	164	239	308	309	309
<b>80.0</b>	123	197	221	208	204
<b>82.5</b>	83	145	134	142	151
<b>85.0</b>	49	76	82	111	122
<b>87.5</b>	19	33	59	89	102
<b>90.0</b>	5	9	35	63	74

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1014.24	17.80	24.90
0-40	1675.83	29.40	41.10
0-60	3050.85	53.50	74.80
0-90	4079.11	71.60	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	4079.11	71.60	100.00

Total Luminaire Efficiency = 71.60%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	122.63
10-20	352.35
20-30	539.26
30-40	661.59
40-50	706.83
50-60	668.19
60-70	560.28
70-80	358.95
80-90	109.03
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

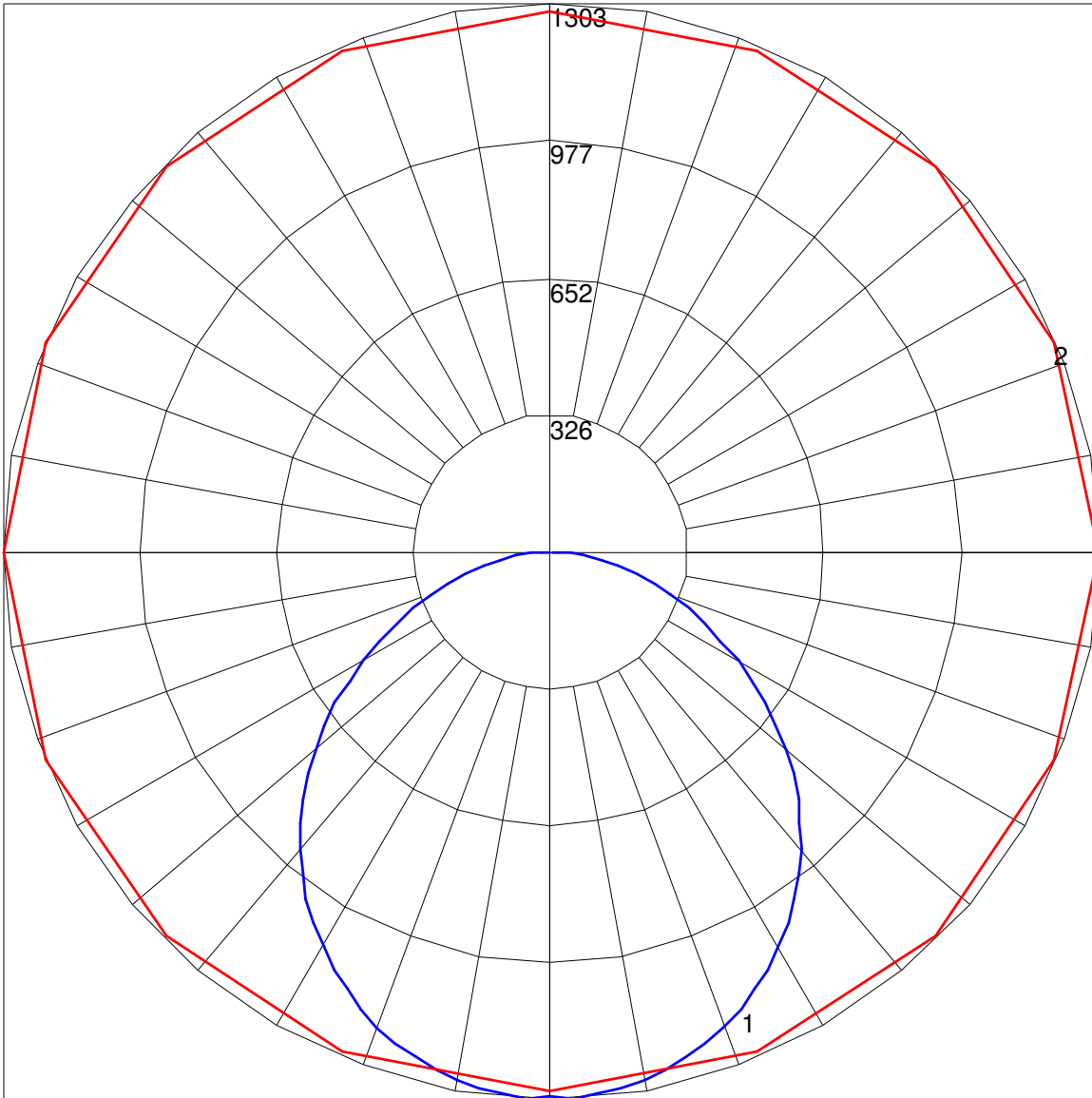
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	85	85	85	85	83	83	83	83	80	80	80	76	76	76	73	73	73	72	72
1	77	74	70	67	75	72	69	66	69	66	64	66	64	62	63	62	60	59	59
2	70	64	58	54	68	62	57	53	60	56	52	57	54	51	55	52	50	48	48
3	63	55	49	44	62	54	49	44	52	47	43	50	46	42	48	45	42	40	40
4	58	49	42	37	56	48	42	37	46	41	36	44	40	36	43	39	35	34	34
5	53	43	37	32	51	43	36	32	41	36	31	40	35	31	38	34	31	29	29
6	49	39	32	28	47	38	32	27	37	31	27	36	31	27	35	30	27	25	25
7	45	35	29	24	44	35	29	24	34	28	24	33	28	24	32	27	24	22	22
8	42	32	26	22	41	32	26	22	31	25	21	30	25	21	29	24	21	20	20
9	39	29	23	19	38	29	23	19	28	23	19	27	23	19	27	22	19	18	18
10	37	27	21	18	36	27	21	17	26	21	17	25	21	17	25	20	17	16	16

POLAR GRAPH



Maximum Candela = 1303 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.)