

# Day-Brite

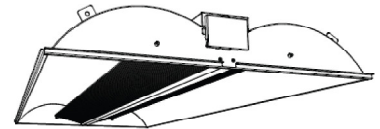
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 27905.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 27905  
[DATE] 12/02/2008  
[LUMCAT] 2AVEG228-FGL-EB  
[LUMINAIRE] DAY-BRITE 2X4 ARIOSO ESSENCE GLASS  
[LAMP] F28T5  
[BALLAST] TRIAD B228PUNV-C  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUE DATE] 12/3/2008  
[\_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	2600 (2 lamps)
Total Lamp Lumens	5200
Luminaire Lumens	3708
Total Luminaire Efficiency	71 %
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	64
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	1578	1648	1671
55	1486	1589	1624
65	1358	1533	1613
75	1163	1439	1137
85	725	787	632

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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>	1312	1312	1312	1312	1312
<b>2.5</b>	1320	1315	1310	1304	1302
<b>5.0</b>	1309	1305	1301	1295	1294
<b>7.5</b>	1305	1301	1297	1292	1290
<b>10.0</b>	1293	1289	1286	1281	1280
<b>12.5</b>	1277	1274	1271	1267	1267
<b>15.0</b>	1259	1258	1254	1250	1251
<b>17.5</b>	1237	1236	1233	1230	1232
<b>20.0</b>	1213	1213	1209	1209	1211
<b>22.5</b>	1185	1185	1183	1182	1185
<b>25.0</b>	1153	1154	1154	1153	1159
<b>27.5</b>	1120	1124	1122	1124	1131
<b>30.0</b>	1083	1087	1089	1095	1104
<b>32.5</b>	1046	1051	1055	1068	1077
<b>35.0</b>	1006	1011	1019	1037	1044
<b>37.5</b>	962	970	981	1002	1007
<b>40.0</b>	919	927	945	965	969
<b>42.5</b>	876	883	909	925	924
<b>45.0</b>	830	836	867	878	879
<b>47.5</b>	782	789	824	829	832
<b>50.0</b>	732	743	777	781	785
<b>52.5</b>	683	696	729	734	740
<b>55.0</b>	634	651	678	689	693
<b>57.5</b>	580	597	628	640	650
<b>60.0</b>	529	557	581	597	604
<b>62.5</b>	479	510	531	549	555
<b>65.0</b>	427	462	482	500	507
<b>67.5</b>	374	409	435	451	449
<b>70.0</b>	324	358	387	389	385
<b>72.5</b>	274	308	335	324	309
<b>75.0</b>	224	257	277	240	219
<b>77.5</b>	175	210	208	167	161
<b>80.0</b>	128	165	132	123	122
<b>82.5</b>	87	111	89	84	81
<b>85.0</b>	47	50	51	43	41
<b>87.5</b>	19	19	14	12	11
<b>90.0</b>	5	2	1	2	2

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1009.74	19.40	27.20
0-40	1649.4	31.70	44.50
0-60	2910.69	56.00	78.50
0-90	3707.91	71.30	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	3707.91	71.30	100.00

Total Luminaire Efficiency = 71.30%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.85
10-20	353.73
20-30	532.16
30-40	639.66
40-50	662.25
50-60	599.03
60-70	471.43
70-80	265.11
80-90	60.69
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

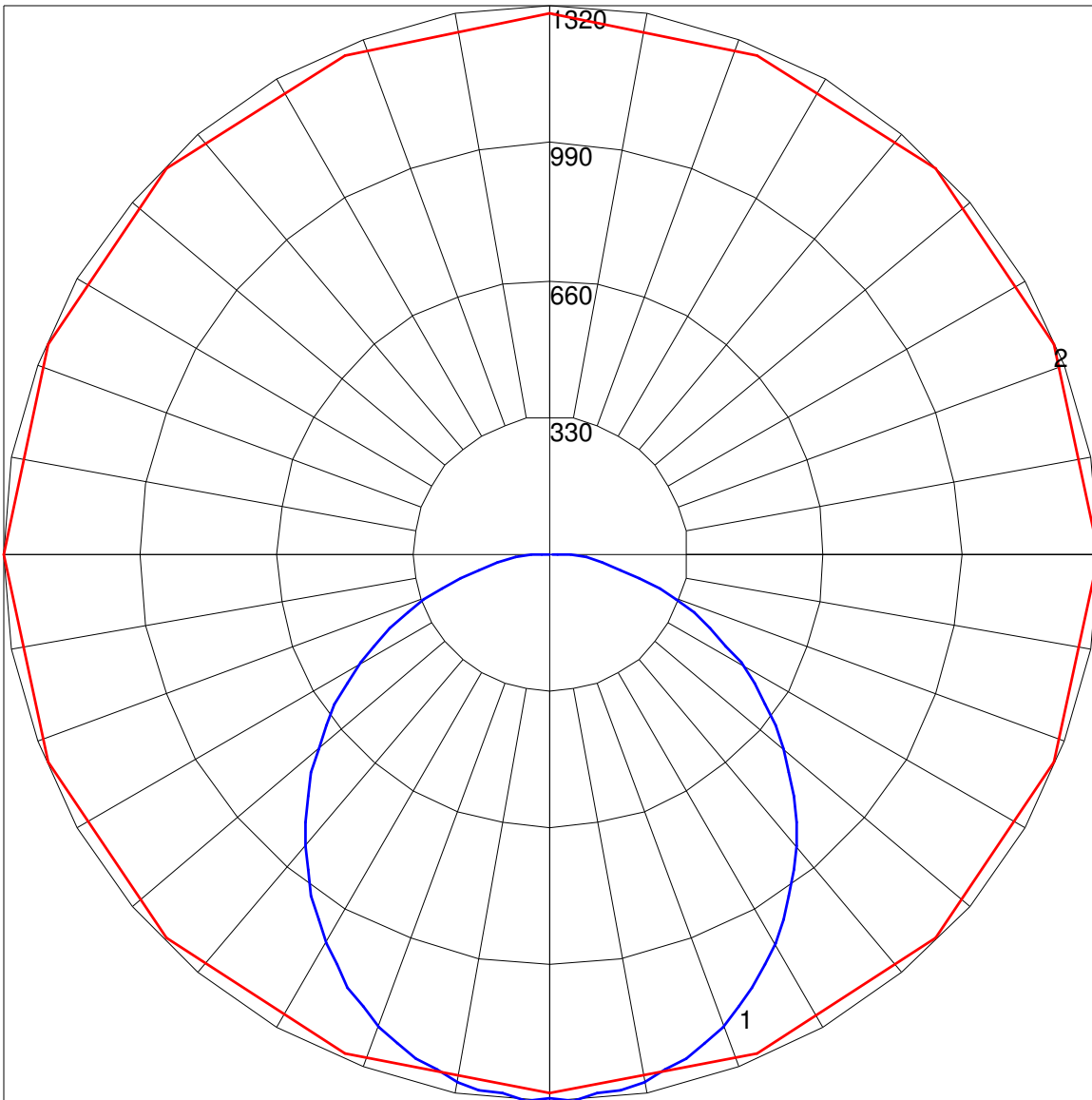
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	79	79	79	76	76	76	73	73	73	71
1	78	74	71	68	76	72	70	67	69	67	65	67	65	63	64	63	61	60
2	70	64	60	55	69	63	59	55	61	57	54	58	55	52	56	53	51	50
3	64	57	51	46	62	55	50	46	53	49	45	51	47	44	49	46	43	42
4	59	50	44	39	57	49	43	39	47	42	38	46	41	38	44	40	37	35
5	54	45	38	33	52	44	38	33	42	37	33	41	36	33	40	35	32	31
6	50	40	34	29	48	40	33	29	38	33	29	37	32	29	36	32	28	27
7	46	36	30	26	45	36	30	26	35	29	25	34	29	25	33	28	25	24
8	43	33	27	23	42	33	27	23	32	27	23	31	26	23	30	26	22	21
9	40	31	25	21	39	30	24	21	29	24	20	28	24	20	28	23	20	19
10	38	28	22	19	37	28	22	19	27	22	19	26	22	18	26	21	18	17

POLAR GRAPH



Maximum Candela = 1320 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.)