

# Day-Brite

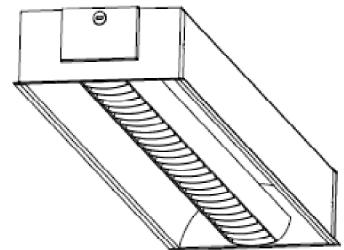
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 27644.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 27644  
[DATE] 08/20/2008  
[LUMCAT] 1AVG232-LMWS-1/2-EB  
[LUMINAIRE] DAY-BRITE 1X4 ARIOSO LOUVER  
[MORE] W/ PERF BASKET W/ SOLID WHITE BAFFLES  
[LAMP] F32T8  
[BALLAST] TRIAD B232IUNVHP-B  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 8/20/2008  
[\_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	3717
Total Luminaire Efficiency	65 %
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	54
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.88 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	4069	4047	3865
55	3830	3359	3047
65	3653	2346	2391
75	3455	1843	1782
85	2592	1512	1332

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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>	1486	1486	1486	1486	1486
<b>2.5</b>	1489	1490	1488	1479	1475
<b>5.0</b>	1483	1484	1482	1476	1471
<b>7.5</b>	1472	1475	1476	1471	1467
<b>10.0</b>	1454	1458	1464	1462	1458
<b>12.5</b>	1434	1440	1442	1448	1445
<b>15.0</b>	1409	1416	1427	1434	1434
<b>17.5</b>	1380	1388	1401	1412	1414
<b>20.0</b>	1351	1359	1374	1390	1392
<b>22.5</b>	1319	1329	1348	1362	1365
<b>25.0</b>	1282	1294	1311	1327	1330
<b>27.5</b>	1249	1255	1279	1280	1299
<b>30.0</b>	1205	1217	1237	1246	1250
<b>32.5</b>	1162	1172	1192	1197	1209
<b>35.0</b>	1114	1128	1142	1145	1153
<b>37.5</b>	1069	1082	1092	1089	1092
<b>40.0</b>	1021	1033	1036	1024	1021
<b>42.5</b>	969	979	977	951	946
<b>45.0</b>	917	925	912	872	871
<b>47.5</b>	863	869	843	797	792
<b>50.0</b>	805	810	770	717	713
<b>52.5</b>	754	750	696	640	636
<b>55.0</b>	700	690	614	560	557
<b>57.5</b>	646	628	537	483	483
<b>60.0</b>	595	569	462	415	429
<b>62.5</b>	544	508	387	361	375
<b>65.0</b>	492	443	316	312	322
<b>67.5</b>	442	375	263	263	271
<b>70.0</b>	390	313	224	218	220
<b>72.5</b>	337	246	187	180	177
<b>75.0</b>	285	188	152	146	147
<b>77.5</b>	231	136	121	116	116
<b>80.0</b>	177	102	91	87	86
<b>82.5</b>	121	73	66	62	60
<b>85.0</b>	72	48	42	39	37
<b>87.5</b>	35	26	21	18	15
<b>90.0</b>	18	14	6	3	2

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1145.38	20.10	30.80
0-40	1855.88	32.60	49.90
0-60	3107.5	54.50	83.60
0-90	3717.47	65.20	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	3717.47	65.20	100.00

Total Luminaire Efficiency = 65.20%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	140.67
10-20	401.52
20-30	603.19
30-40	710.50
40-50	693.68
50-60	557.95
60-70	368.32
70-80	188.09
80-90	53.55
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

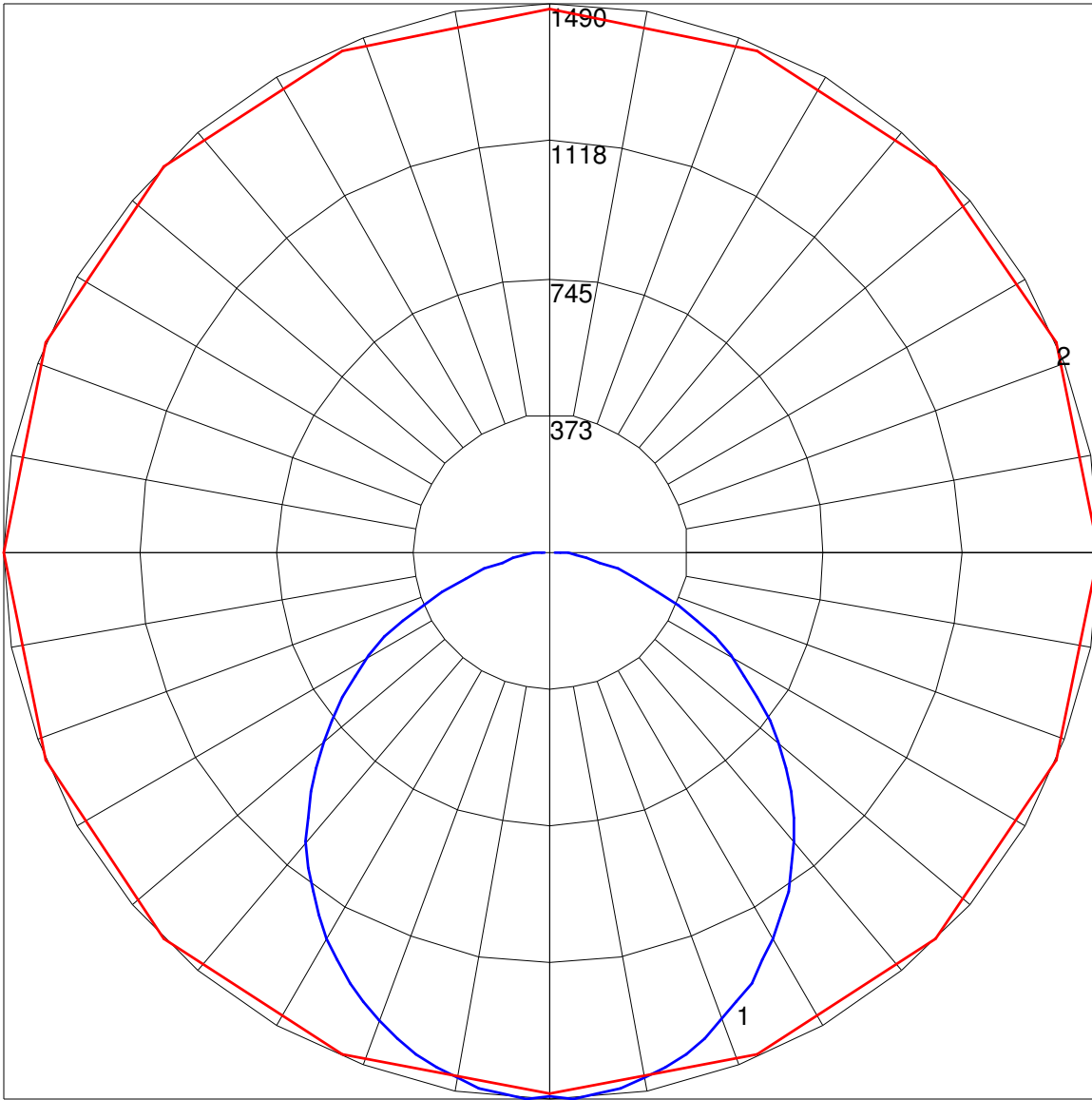
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	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	72	72	72	69	69	69	67	67	67	65
1	71	69	66	64	70	67	65	63	64	62	61	62	60	59	59	58	57	56
2	65	60	56	53	64	59	55	52	57	54	51	55	52	50	53	51	49	47
3	60	53	48	44	58	52	48	44	50	46	43	49	45	42	47	44	42	40
4	55	48	42	38	54	47	42	38	45	41	37	44	40	37	42	39	36	35
5	51	43	37	33	49	42	37	33	41	36	32	39	35	32	38	35	32	30
6	47	39	33	29	46	38	33	29	37	32	29	36	31	28	35	31	28	27
7	44	35	30	26	43	35	29	26	34	29	25	33	28	25	32	28	25	24
8	41	32	27	23	40	32	26	23	31	26	23	30	26	23	29	25	22	21
9	38	29	24	21	37	29	24	21	28	24	21	28	23	20	27	23	20	19
10	36	27	22	19	35	27	22	19	26	22	19	26	22	19	25	21	19	17

POLAR GRAPH



Maximum Candela = 1490 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)