

# Day-Brite

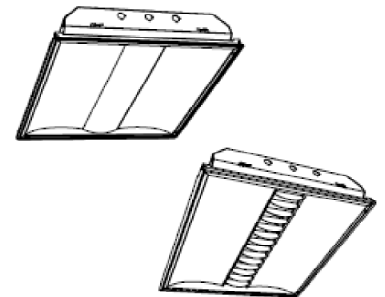
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29804.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29804  
[TESTDATE] 09/23/2011  
[LUMCAT] 2STG34L840-2-D  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 LED SOFTRACE  
[MORE] W/ MODIFIED BOARD MOUNTS  
[LAMP] 45WLED  
[BALLAST] LED DRIVER  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUE DATE] 9/26/2011  
[\_TEST\_LEVEL]  
[\_TIFF\_FILE\_NAME]  
[\_VERSION] fo2ies 3.0e (2011-02)(90)  
[\_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08  
[\_TEST\_DISTANCE] 30 ft.  
[\_SHIELDING\_ANGLE] Normal 90, Parallel 90  
[OTHER] TOTAL LUMEN OUTOUT = 3368 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3368
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.86 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	3080	3519	3889
55	2735	3325	3695
65	2336	2970	3363
75	1913	2520	2793
85	1271	1518	1870

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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>	1196	1196	1196	1196	1196
<b>2.5</b>	1197	1191	1191	1193	1195
<b>5.0</b>	1189	1186	1187	1190	1192
<b>7.5</b>	1179	1176	1178	1183	1188
<b>10.0</b>	1168	1164	1168	1177	1182
<b>12.5</b>	1152	1151	1157	1168	1174
<b>15.0</b>	1135	1135	1145	1157	1165
<b>17.5</b>	1112	1114	1129	1144	1153
<b>20.0</b>	1088	1093	1112	1130	1141
<b>22.5</b>	1062	1067	1092	1115	1128
<b>25.0</b>	1034	1040	1071	1098	1112
<b>27.5</b>	1002	1014	1045	1078	1094
<b>30.0</b>	966	980	1018	1057	1074
<b>32.5</b>	928	944	991	1033	1054
<b>35.0</b>	888	910	959	1008	1026
<b>37.5</b>	848	871	928	980	999
<b>40.0</b>	804	831	890	946	966
<b>42.5</b>	755	792	849	907	931
<b>45.0</b>	708	744	809	866	894
<b>47.5</b>	663	700	767	825	848
<b>50.0</b>	612	653	721	778	798
<b>52.5</b>	564	602	672	730	749
<b>55.0</b>	510	550	620	669	689
<b>57.5</b>	463	504	565	616	636
<b>60.0</b>	418	455	516	563	583
<b>62.5</b>	370	404	462	505	527
<b>65.0</b>	321	359	408	443	462
<b>67.5</b>	280	306	360	394	405
<b>70.0</b>	238	264	310	336	348
<b>72.5</b>	197	221	260	277	288
<b>75.0</b>	161	182	212	226	235
<b>77.5</b>	130	140	165	170	182
<b>80.0</b>	92	106	118	124	131
<b>82.5</b>	66	69	84	85	88
<b>85.0</b>	36	40	43	47	53
<b>87.5</b>	16	21	24	26	28
<b>90.0</b>	10	12	10	12	15

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	436.43	N.A.	13.00
0-30	929.81	N.A.	27.60
0-40	1529.29	N.A.	45.40
0-60	2696.63	N.A.	80.10
0-80	3311.19	N.A.	98.30
0-90	3368.02	N.A.	100.00
10-90	3255.16	N.A.	96.60
20-40	1092.86	N.A.	32.40
20-50	1713.64	N.A.	50.90
40-70	1565.69	N.A.	46.50
60-80	614.56	N.A.	18.20
70-80	216.20	N.A.	6.40
80-90	56.83	N.A.	1.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3368.02	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	112.85
10-20	323.58
20-30	493.38
30-40	599.48
40-50	620.78
50-60	546.56
60-70	398.35
70-80	216.20
80-90	56.83
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

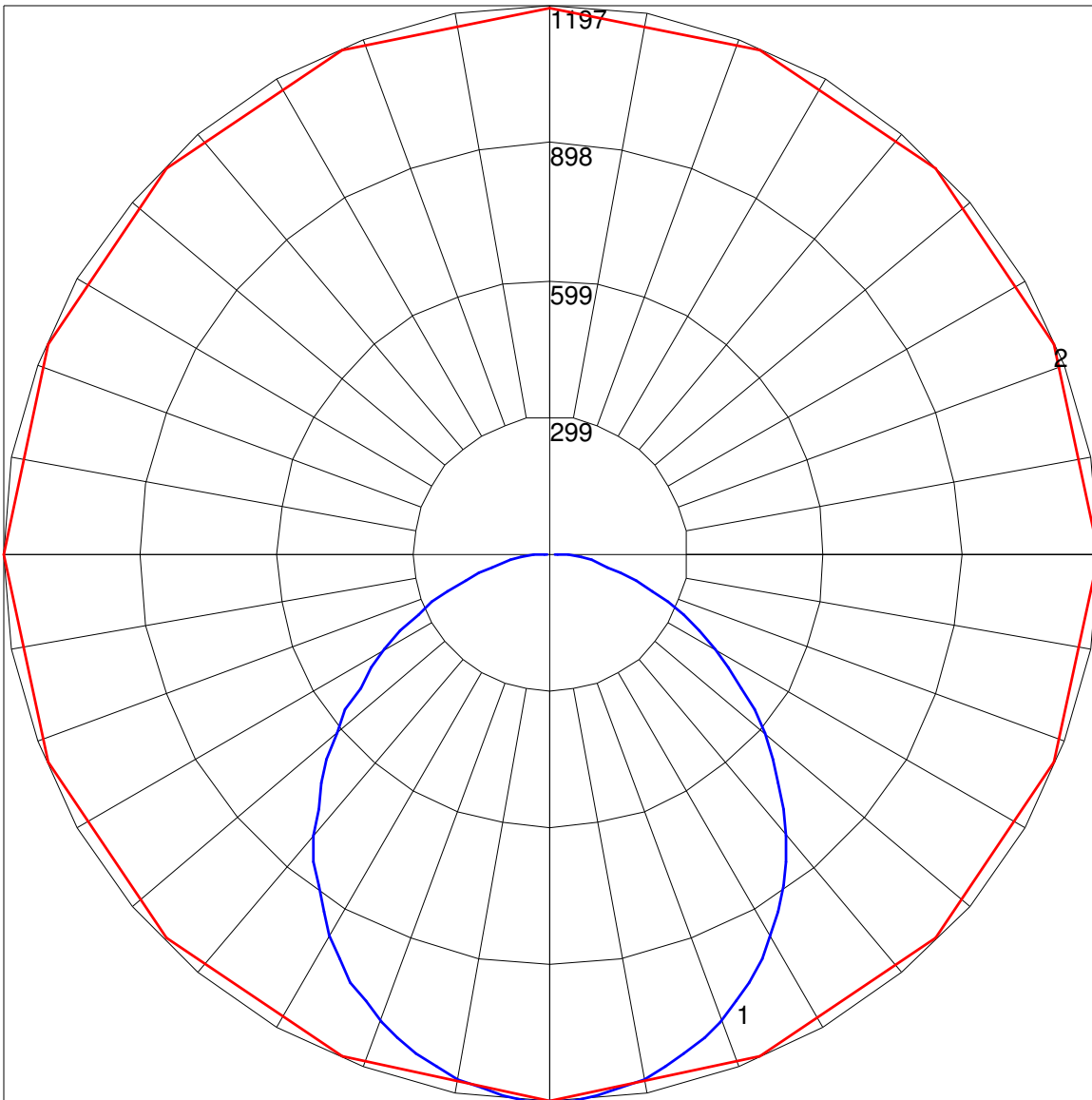
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24

POLAR GRAPH



Maximum Candela = 1197 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.)