

# Day-Brite

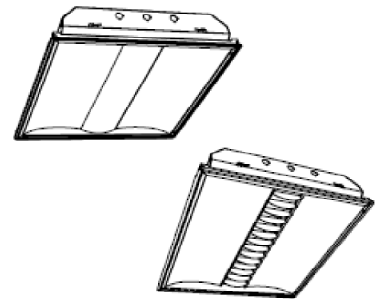
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29734.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29734  
[TESTDATE] 08/30/2011  
[LUMCAT] 2STG38L840-2-D  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 LED SOFTRACE  
[MORE] W/ MODIFIED BOARD MOUNTS  
[LAMP] 53WLED  
[BALLAST] LED DRIVER  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 8/30/2011  
[\_TEST\_LEVEL] Experimental  
[\_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 OUTPUT = 3810 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.38
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	3563	3941	4363
55	3164	3641	4145
65	2722	3275	3777
75	2199	2781	3066
85	1482	1835	2012

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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>	1378	1378	1378	1378	1378
<b>2.5</b>	1380	1375	1373	1373	1374
<b>5.0</b>	1373	1367	1366	1369	1372
<b>7.5</b>	1362	1357	1357	1362	1367
<b>10.0</b>	1348	1343	1347	1352	1360
<b>12.5</b>	1332	1326	1333	1341	1350
<b>15.0</b>	1310	1309	1317	1328	1340
<b>17.5</b>	1285	1286	1299	1315	1328
<b>20.0</b>	1259	1260	1278	1297	1313
<b>22.5</b>	1227	1230	1253	1279	1297
<b>25.0</b>	1193	1198	1226	1256	1278
<b>27.5</b>	1157	1163	1196	1232	1255
<b>30.0</b>	1116	1126	1165	1205	1230
<b>32.5</b>	1072	1089	1128	1175	1205
<b>35.0</b>	1030	1046	1091	1145	1173
<b>37.5</b>	979	1000	1052	1109	1140
<b>40.0</b>	929	951	1005	1064	1099
<b>42.5</b>	875	894	955	1020	1052
<b>45.0</b>	819	847	906	969	1003
<b>47.5</b>	764	793	858	921	952
<b>50.0</b>	711	736	803	865	898
<b>52.5</b>	654	677	747	805	842
<b>55.0</b>	590	624	679	739	773
<b>57.5</b>	532	562	621	680	713
<b>60.0</b>	480	510	566	616	652
<b>62.5</b>	423	454	506	553	584
<b>65.0</b>	374	399	450	495	519
<b>67.5</b>	325	347	396	435	454
<b>70.0</b>	275	294	340	371	386
<b>72.5</b>	230	243	283	309	320
<b>75.0</b>	185	198	234	249	258
<b>77.5</b>	146	158	180	191	201
<b>80.0</b>	105	119	133	137	144
<b>82.5</b>	76	79	88	93	94
<b>85.0</b>	42	48	52	50	57
<b>87.5</b>	19	23	26	27	31
<b>90.0</b>	8	9	11	12	13

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	502.60	N.A.	13.20
0-30	1068.99	N.A.	28.10
0-40	1753.61	N.A.	46.00
0-60	3064.31	N.A.	80.40
0-80	3747.61	N.A.	98.40
0-90	3810.42	N.A.	100.00
10-90	3680.39	N.A.	96.60
20-40	1251.01	N.A.	32.80
20-50	1951.5	N.A.	51.20
40-70	1754.15	N.A.	46.00
60-80	683.30	N.A.	17.90
70-80	239.85	N.A.	6.30
80-90	62.81	N.A.	1.60
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	3810.42	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	130.03
10-20	372.57
20-30	566.39
30-40	684.62
40-50	700.49
50-60	610.21
60-70	443.45
70-80	239.85
80-90	62.81
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

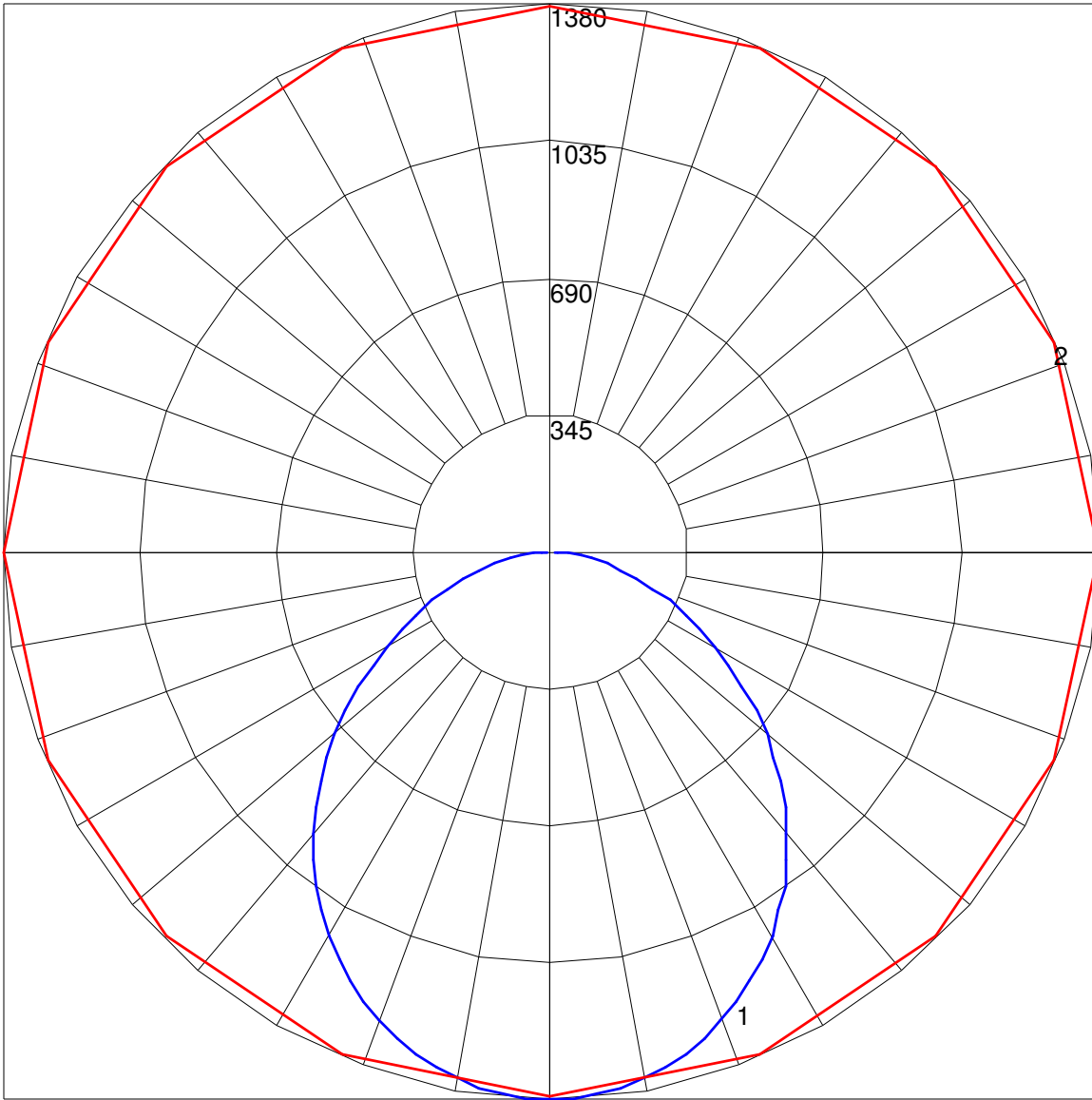
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1380 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.)