

# Day-Brite

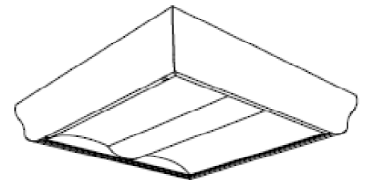
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29807D2.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29807  
[TESTDATE] 09/26/2011  
[LUMCAT] 2SST30L840-2-D  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 LED SURFACE SOFTRACE  
[MORE] W/ MODIFIED BOARD MOUNTS  
[LAMP] 38WLED  
[BALLAST] LED DRIVER  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 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 OUTPUT = 3015 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3015
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	40
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	2754	3154	3467
55	2445	2960	3314
65	2118	2671	3006
75	1711	2234	2472
85	1059	1412	1588

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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>	1069	1069	1069	1069	1069
<b>2.5</b>	1071	1066	1065	1067	1069
<b>5.0</b>	1064	1060	1061	1064	1066
<b>7.5</b>	1055	1053	1054	1059	1062
<b>10.0</b>	1043	1042	1046	1052	1058
<b>12.5</b>	1031	1030	1035	1044	1050
<b>15.0</b>	1013	1016	1023	1035	1042
<b>17.5</b>	995	998	1010	1024	1031
<b>20.0</b>	975	977	994	1010	1020
<b>22.5</b>	949	958	977	996	1007
<b>25.0</b>	923	933	958	980	993
<b>27.5</b>	893	907	936	964	978
<b>30.0</b>	861	878	912	947	961
<b>32.5</b>	829	849	885	924	940
<b>35.0</b>	794	818	859	902	919
<b>37.5</b>	758	781	831	877	894
<b>40.0</b>	718	744	798	847	865
<b>42.5</b>	674	709	762	809	829
<b>45.0</b>	633	669	725	777	797
<b>47.5</b>	593	625	685	737	756
<b>50.0</b>	545	582	641	694	712
<b>52.5</b>	503	539	598	648	666
<b>55.0</b>	456	498	552	605	618
<b>57.5</b>	416	454	505	550	568
<b>60.0</b>	372	406	464	505	521
<b>62.5</b>	330	365	413	453	465
<b>65.0</b>	291	318	367	401	413
<b>67.5</b>	249	276	323	352	360
<b>70.0</b>	212	235	275	303	311
<b>72.5</b>	177	200	229	252	257
<b>75.0</b>	144	164	188	204	208
<b>77.5</b>	113	126	146	156	159
<b>80.0</b>	84	95	107	114	115
<b>82.5</b>	58	66	72	80	79
<b>85.0</b>	30	35	40	45	45
<b>87.5</b>	16	20	23	24	27
<b>90.0</b>	7	11	10	12	13

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	390.40	N.A.	12.90
0-30	831.72	N.A.	27.60
0-40	1368.48	N.A.	45.40
0-60	2412.4	N.A.	80.00
0-80	2962.87	N.A.	98.30
0-90	3014.68	N.A.	100.00
10-90	2913.73	N.A.	96.70
20-40	978.08	N.A.	32.40
20-50	1533.15	N.A.	50.90
40-70	1400.7	N.A.	46.50
60-80	550.47	N.A.	18.30
70-80	193.68	N.A.	6.40
80-90	51.82	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	3014.68	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.96
10-20	289.45
20-30	441.31
30-40	536.77
40-50	555.07
50-60	488.85
60-70	356.78
70-80	193.68
80-90	51.82
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

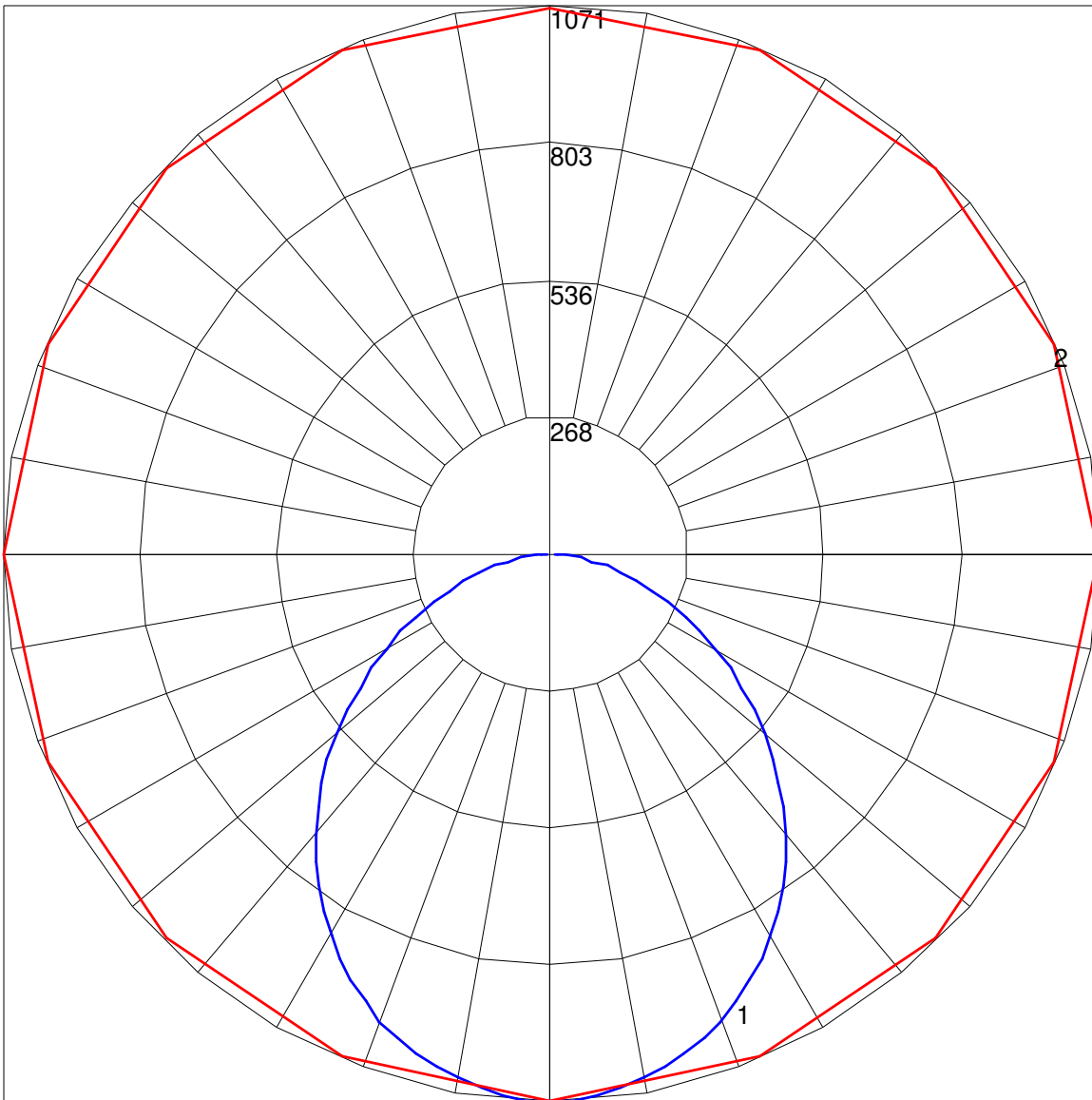
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	116	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100	
1	109	104	100	96		106	102	98	95	98	94	92	94	91	89	90	88	86	90	88	86	84
2	99	91	84	78		96	89	83	77	85	80	76	82	78	74	79	76	72	79	76	72	70
3	90	80	72	65		88	78	71	65	75	69	64	73	67	62	70	65	61	70	65	61	59
4	83	71	62	55		80	69	61	55	67	60	54	65	58	53	62	57	53	62	57	53	51
5	76	63	54	48		74	62	54	47	60	53	47	58	51	46	56	50	46	56	50	46	44
6	70	57	48	42		68	56	48	41	54	47	41	52	46	41	51	45	40	51	45	40	38
7	65	52	43	37		63	51	42	37	49	42	36	48	41	36	46	40	36	46	40	36	34
8	61	47	39	33		59	46	38	33	45	38	32	44	37	32	43	37	32	43	37	32	30
9	57	43	35	29		55	43	35	29	41	34	29	40	34	29	39	33	29	39	33	29	27
10	53	40	32	27		52	39	32	27	38	31	26	37	31	26	36	31	26	36	31	26	24

POLAR GRAPH



Maximum Candela = 1071 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.)