

# Day-Brite

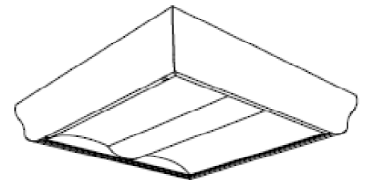
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29979D2.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29979  
[TESTDATE] 11/09/2011  
[LUMCAT] 2SST30L840-2-PMW  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SURFACE SOFTRACE LED  
[MORE] W/ PERFORATED DOOR  
[LAMP] 38WLED  
[BALLAST] LED DRIVER  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUE DATE] 11/10/2011  
[\_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 = 2690 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2690
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	39
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	2510	2828	3158
55	2215	2596	2955
65	1841	2271	2591
75	1438	1830	2068
85	918	1059	1129

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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>	980	980	980	980	980
<b>2.5</b>	982	977	976	976	977
<b>5.0</b>	976	972	972	975	975
<b>7.5</b>	968	965	967	971	972
<b>10.0</b>	959	955	959	964	970
<b>12.5</b>	946	945	950	958	964
<b>15.0</b>	930	930	941	950	958
<b>17.5</b>	913	914	928	941	950
<b>20.0</b>	893	897	913	930	941
<b>22.5</b>	872	877	896	916	929
<b>25.0</b>	848	853	877	903	917
<b>27.5</b>	818	830	858	886	902
<b>30.0</b>	791	803	835	867	884
<b>32.5</b>	760	774	809	847	866
<b>35.0</b>	727	745	785	826	844
<b>37.5</b>	694	712	756	796	820
<b>40.0</b>	657	676	723	767	792
<b>42.5</b>	616	636	685	735	759
<b>45.0</b>	577	600	650	701	726
<b>47.5</b>	537	561	612	660	686
<b>50.0</b>	495	519	572	619	642
<b>52.5</b>	453	478	530	573	598
<b>55.0</b>	413	435	484	528	551
<b>57.5</b>	370	395	441	483	503
<b>60.0</b>	329	352	397	434	457
<b>62.5</b>	288	314	357	387	407
<b>65.0</b>	253	271	312	344	356
<b>67.5</b>	220	237	271	293	309
<b>70.0</b>	185	199	230	252	265
<b>72.5</b>	152	168	192	209	217
<b>75.0</b>	121	135	154	165	174
<b>77.5</b>	95	105	120	122	130
<b>80.0</b>	70	77	86	84	88
<b>82.5</b>	50	53	53	54	58
<b>85.0</b>	26	27	30	30	32
<b>87.5</b>	13	14	15	15	15
<b>90.0</b>	9	10	10	10	10

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	358.27	N.A.	13.30
0-30	763.34	N.A.	28.40
0-40	1253.61	N.A.	46.60
0-60	2185.47	N.A.	81.20
0-80	2651.23	N.A.	98.60
0-90	2690.05	N.A.	100.00
10-90	2597.52	N.A.	96.60
20-40	895.34	N.A.	33.30
20-50	1395.92	N.A.	51.90
40-70	1237.48	N.A.	46.00
60-80	465.76	N.A.	17.30
70-80	160.14	N.A.	6.00
80-90	38.82	N.A.	1.40
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	2690.05	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	92.54
10-20	265.74
20-30	405.07
30-40	490.27
40-50	500.58
50-60	431.28
60-70	305.62
70-80	160.14
80-90	38.82
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

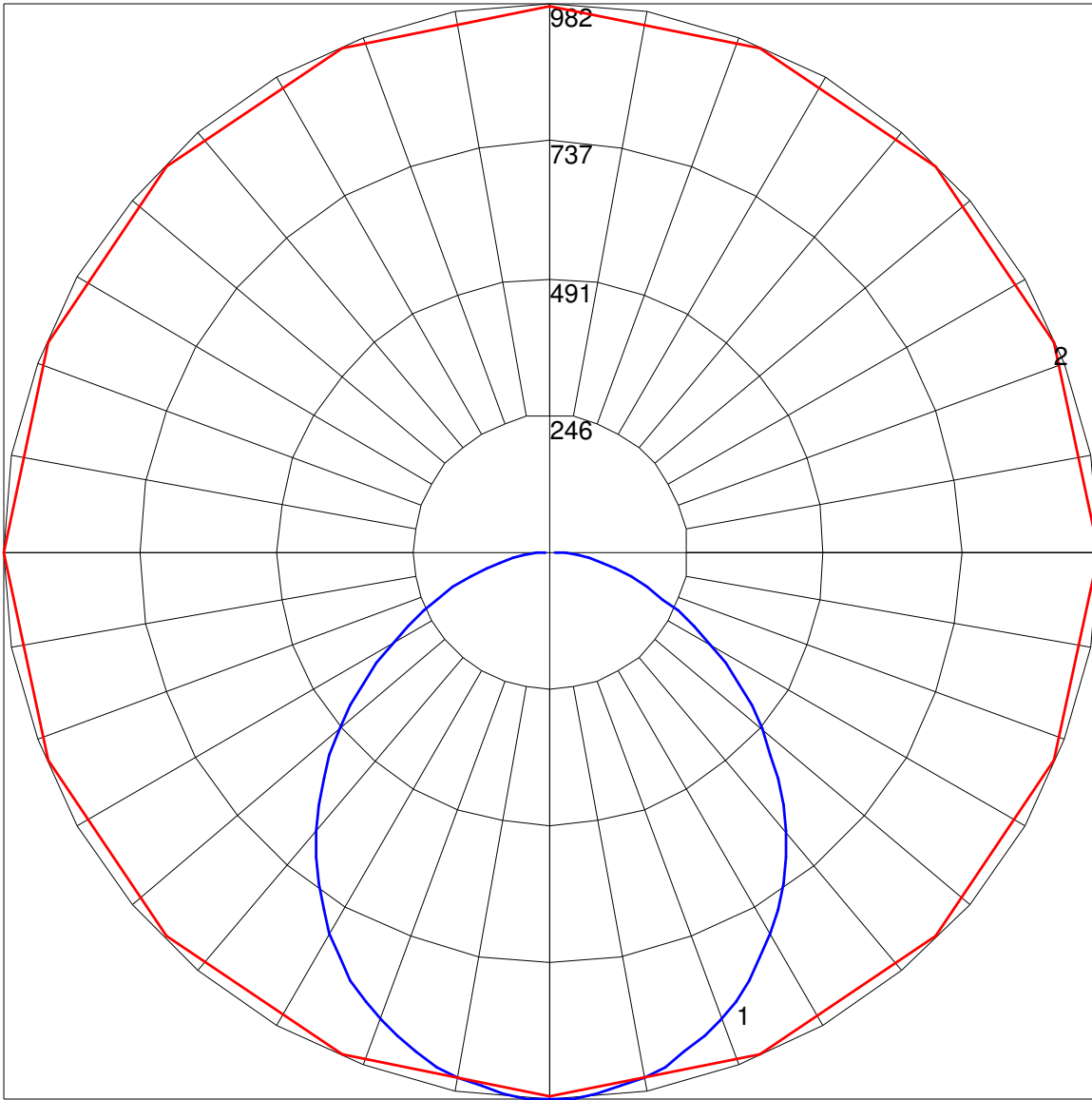
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	66	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 982 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.)