

# Day-Brite

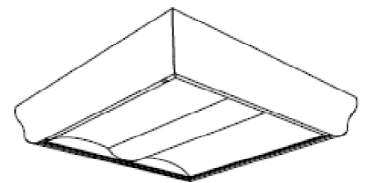
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29982D2.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29982  
[TESTDATE] 11/10/2011  
[LUMCAT] 2SST34L840-2-WO  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SURFACE SOFTRACE LED  
[MORE] W/ LOUVERED DOOR  
[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] 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 = 3216 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3216
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.34
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	2862	3336	3902
55	2445	2992	3657
65	2060	2577	3195
75	1664	1997	2377
85	1059	1200	1271

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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>	1238	1238	1238	1238	1238
<b>2.5</b>	1240	1235	1234	1236	1240
<b>5.0</b>	1231	1225	1227	1232	1237
<b>7.5</b>	1218	1212	1218	1225	1233
<b>10.0</b>	1198	1196	1204	1216	1227
<b>12.5</b>	1176	1176	1189	1205	1218
<b>15.0</b>	1151	1152	1169	1193	1207
<b>17.5</b>	1121	1128	1148	1176	1196
<b>20.0</b>	1090	1099	1127	1159	1181
<b>22.5</b>	1059	1069	1103	1141	1165
<b>25.0</b>	1023	1037	1075	1118	1147
<b>27.5</b>	984	999	1043	1094	1124
<b>30.0</b>	943	963	1007	1068	1099
<b>32.5</b>	901	923	975	1039	1076
<b>35.0</b>	853	881	942	1010	1046
<b>37.5</b>	808	839	903	975	1015
<b>40.0</b>	758	791	859	937	979
<b>42.5</b>	707	740	812	892	939
<b>45.0</b>	658	692	767	848	897
<b>47.5</b>	606	644	721	802	848
<b>50.0</b>	551	591	671	750	796
<b>52.5</b>	504	542	618	697	739
<b>55.0</b>	456	488	558	637	682
<b>57.5</b>	411	443	508	581	619
<b>60.0</b>	366	397	454	526	565
<b>62.5</b>	325	351	400	467	495
<b>65.0</b>	283	309	354	409	439
<b>67.5</b>	244	266	303	350	377
<b>70.0</b>	208	227	258	298	317
<b>72.5</b>	172	190	213	244	259
<b>75.0</b>	140	153	168	187	200
<b>77.5</b>	108	122	131	141	148
<b>80.0</b>	82	87	93	99	100
<b>82.5</b>	56	61	64	63	65
<b>85.0</b>	30	34	34	34	36
<b>87.5</b>	15	18	19	19	19
<b>90.0</b>	11	11	9	10	8

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	447.65	N.A.	13.90
0-30	944.23	N.A.	29.40
0-40	1535.01	N.A.	47.70
0-60	2634.29	N.A.	81.90
0-80	3171.3	N.A.	98.60
0-90	3216.27	N.A.	100.00
10-90	3099.61	N.A.	96.40
20-40	1087.36	N.A.	33.80
20-50	1681.48	N.A.	52.30
40-70	1453.78	N.A.	45.20
60-80	537.01	N.A.	16.70
70-80	182.51	N.A.	5.70
80-90	44.98	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	3216.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	116.67
10-20	330.98
20-30	496.58
30-40	590.78
40-50	594.12
50-60	505.16
60-70	354.50
70-80	182.51
80-90	44.98
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

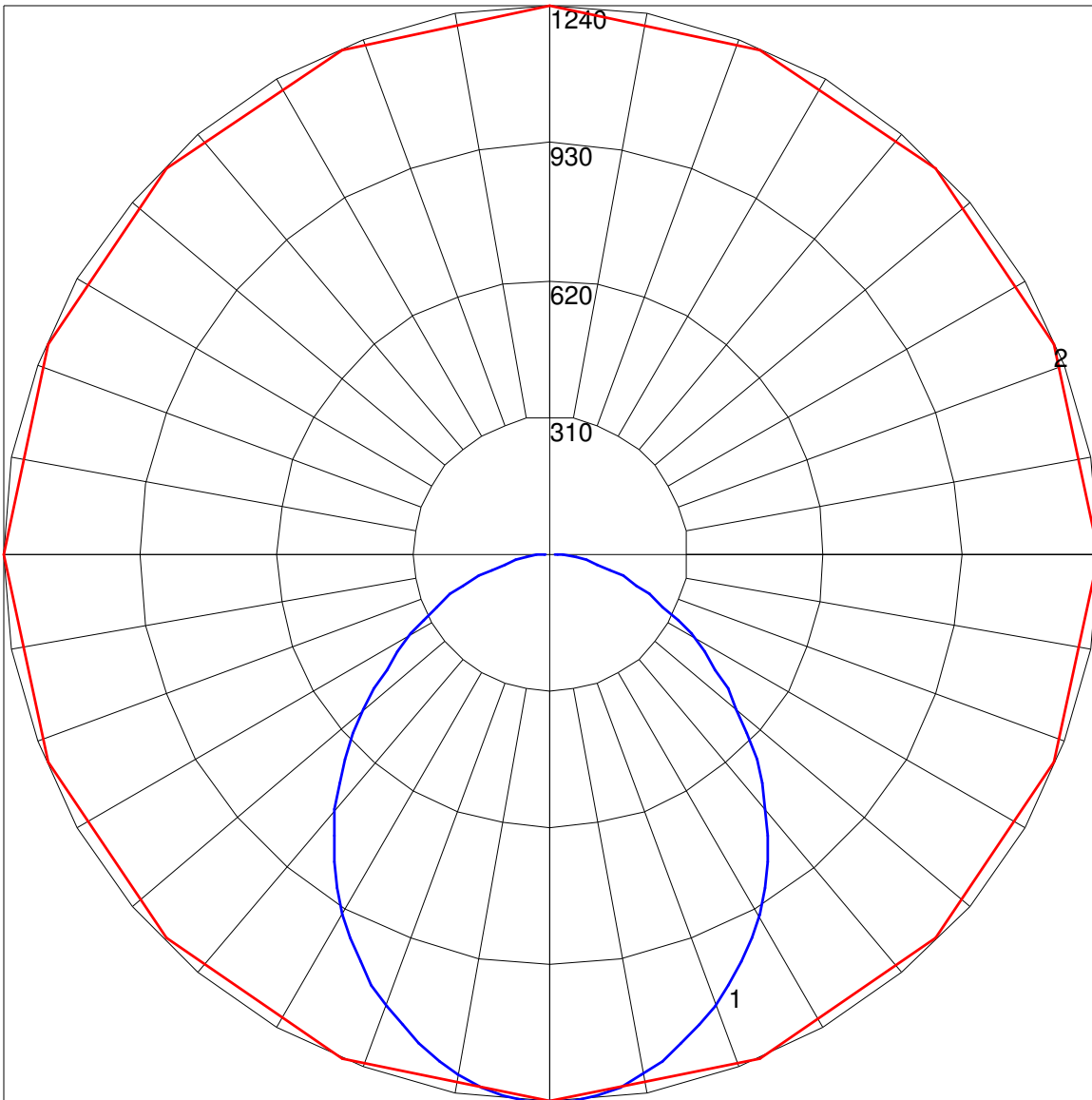
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

POLAR GRAPH



Maximum Candela = 1240 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.)