

# Day-Brite

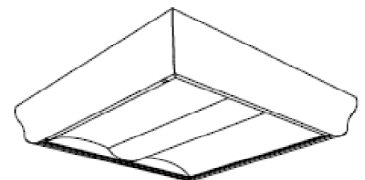
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29987D2.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29987  
[TESTDATE] 11/10/2011  
[LUMCAT] 2SST38L840-2-WO  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SURFACE SOFTRACE LED  
[MORE] W/ LOUVERED DOOR  
[LAMP] 53WLED  
[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 = 3715 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	53
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	3297	3863	4507
55	2821	3470	4215
65	2387	2948	3654
75	1925	2353	2698
85	1341	1341	1447

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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>	1432	1432	1432	1432	1432
<b>2.5</b>	1435	1429	1427	1429	1432
<b>5.0</b>	1424	1419	1419	1424	1429
<b>7.5</b>	1406	1403	1406	1416	1425
<b>10.0</b>	1385	1385	1392	1406	1417
<b>12.5</b>	1362	1361	1372	1392	1406
<b>15.0</b>	1331	1334	1354	1376	1396
<b>17.5</b>	1299	1304	1328	1358	1381
<b>20.0</b>	1266	1272	1301	1338	1365
<b>22.5</b>	1226	1236	1270	1318	1349
<b>25.0</b>	1181	1199	1239	1291	1325
<b>27.5</b>	1139	1159	1204	1265	1299
<b>30.0</b>	1092	1113	1169	1232	1273
<b>32.5</b>	1041	1065	1128	1200	1250
<b>35.0</b>	993	1020	1087	1171	1217
<b>37.5</b>	937	970	1040	1127	1176
<b>40.0</b>	874	916	992	1082	1135
<b>42.5</b>	821	860	941	1036	1082
<b>45.0</b>	758	800	888	976	1036
<b>47.5</b>	701	746	833	927	981
<b>50.0</b>	644	686	773	865	916
<b>52.5</b>	584	625	706	802	854
<b>55.0</b>	526	571	647	734	786
<b>57.5</b>	474	510	586	671	719
<b>60.0</b>	423	459	523	600	645
<b>62.5</b>	375	405	467	537	578
<b>65.0</b>	328	359	405	466	502
<b>67.5</b>	286	308	348	404	430
<b>70.0</b>	243	264	297	339	364
<b>72.5</b>	202	215	249	275	294
<b>75.0</b>	162	175	198	215	227
<b>77.5</b>	128	136	149	160	171
<b>80.0</b>	97	103	108	114	118
<b>82.5</b>	68	71	71	71	70
<b>85.0</b>	38	40	38	38	41
<b>87.5</b>	19	21	20	21	21
<b>90.0</b>	8	9	10	11	7

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	517.56	N.A.	13.90
0-30	1091.51	N.A.	29.40
0-40	1774.92	N.A.	47.80
0-60	3045.04	N.A.	82.00
0-80	3663.19	N.A.	98.60
0-90	3714.5	N.A.	100.00
10-90	3579.61	N.A.	96.40
20-40	1257.36	N.A.	33.90
20-50	1944.55	N.A.	52.40
40-70	1678.63	N.A.	45.20
60-80	618.15	N.A.	16.60
70-80	209.64	N.A.	5.60
80-90	51.32	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	3714.5	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	134.90
10-20	382.66
20-30	573.95
30-40	683.41
40-50	687.19
50-60	582.93
60-70	408.51
70-80	209.64
80-90	51.32
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

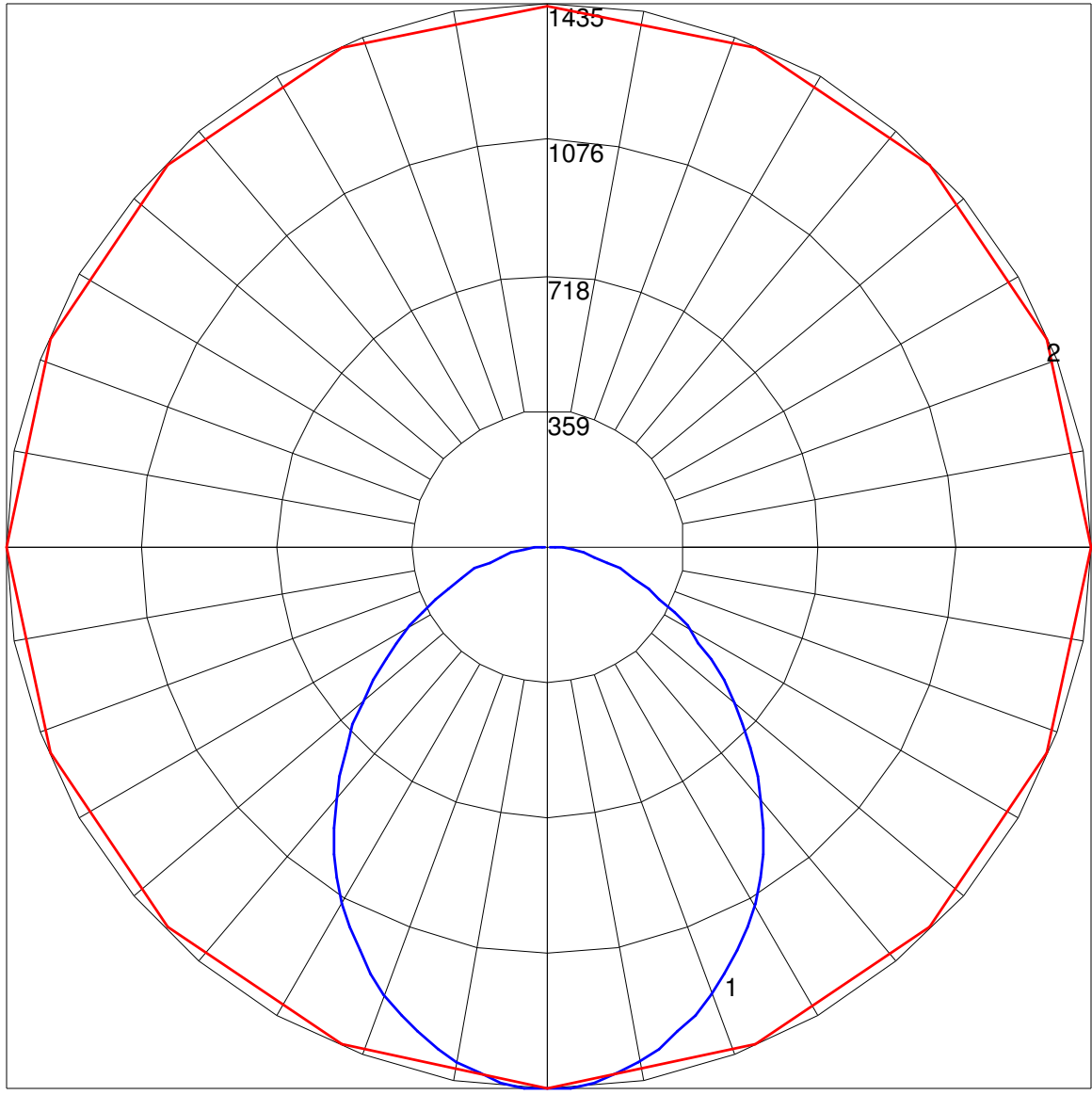
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	74	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 = 1435 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.)