

# Day-Brite

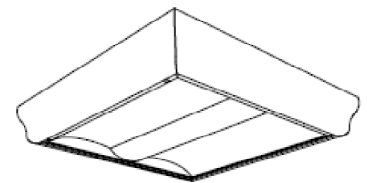
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29981D2.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29981  
[TESTDATE] 11/09/2011  
[LUMCAT] 2SST24L840-2-WO  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SURFACE SOFTRACE LED  
[MORE] W/ LOUVERED DOOR  
[LAMP] 30WLED  
[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 = 2269 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2269
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.32
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	2027	2332	2775
55	1759	2081	2601
65	1470	1783	2256
75	1188	1426	1723
85	812	882	918

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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>	880	880	880	880	880
<b>2.5</b>	881	878	877	878	881
<b>5.0</b>	874	872	872	874	879
<b>7.5</b>	864	862	864	869	876
<b>10.0</b>	851	849	854	862	871
<b>12.5</b>	835	834	843	854	866
<b>15.0</b>	819	818	829	844	858
<b>17.5</b>	799	799	814	832	848
<b>20.0</b>	778	781	797	819	839
<b>22.5</b>	754	760	779	805	828
<b>25.0</b>	728	733	759	790	814
<b>27.5</b>	700	708	735	772	801
<b>30.0</b>	671	682	711	753	784
<b>32.5</b>	641	652	687	732	766
<b>35.0</b>	610	624	662	710	747
<b>37.5</b>	577	592	635	685	723
<b>40.0</b>	542	555	603	659	697
<b>42.5</b>	502	523	566	630	671
<b>45.0</b>	466	488	536	595	638
<b>47.5</b>	432	451	504	563	604
<b>50.0</b>	397	417	467	524	567
<b>52.5</b>	361	382	430	487	527
<b>55.0</b>	328	343	388	447	485
<b>57.5</b>	293	312	353	406	443
<b>60.0</b>	261	278	317	367	398
<b>62.5</b>	230	245	280	324	355
<b>65.0</b>	202	215	245	280	310
<b>67.5</b>	176	187	210	243	265
<b>70.0</b>	151	158	179	207	228
<b>72.5</b>	123	133	149	168	187
<b>75.0</b>	100	107	120	132	145
<b>77.5</b>	79	84	92	97	104
<b>80.0</b>	58	63	66	70	72
<b>82.5</b>	39	42	41	44	43
<b>85.0</b>	23	23	25	26	26
<b>87.5</b>	13	14	13	14	13
<b>90.0</b>	9	10	9	10	9

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	317.59	N.A.	14.00
0-30	669.19	N.A.	29.50
0-40	1086.64	N.A.	47.90
0-60	1860.32	N.A.	82.00
0-80	2236.69	N.A.	98.60
0-90	2268.77	N.A.	100.00
10-90	2185.92	N.A.	96.30
20-40	769.05	N.A.	33.90
20-50	1187.55	N.A.	52.30
40-70	1021.59	N.A.	45.00
60-80	376.38	N.A.	16.60
70-80	128.46	N.A.	5.70
80-90	32.08	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	2268.77	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.85
10-20	234.74
20-30	351.60
30-40	417.45
40-50	418.50
50-60	355.18
60-70	247.92
70-80	128.46
80-90	32.08
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

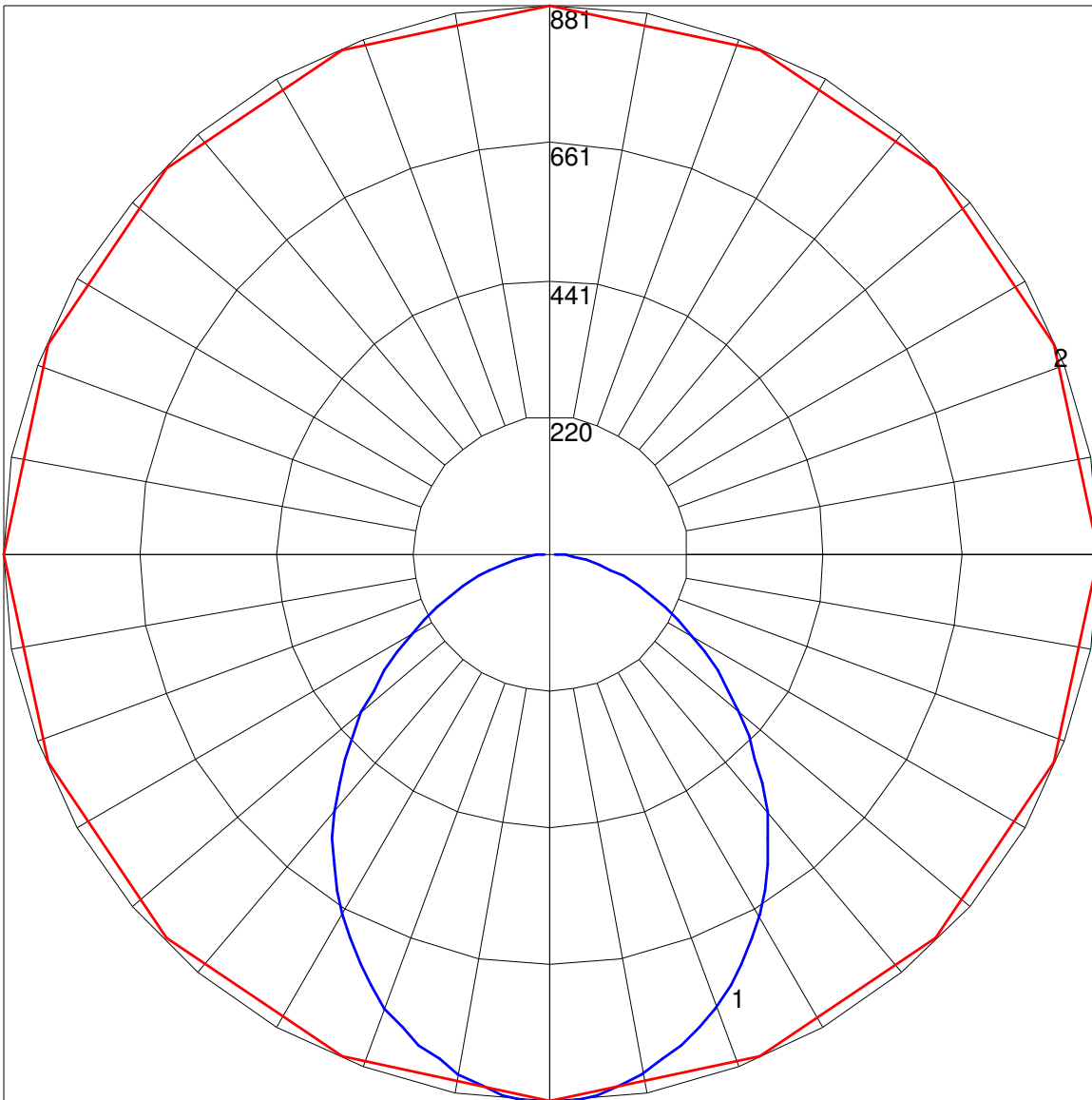
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	57	68	61	56	66	60	55	64	59	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	43	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	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	39	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 881 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.)