

# Day-Brite

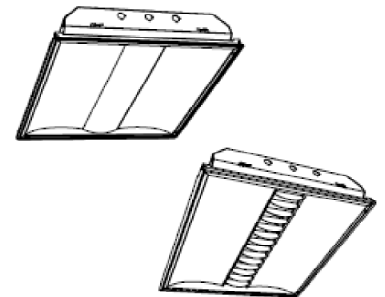
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29805.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29805  
[TESTDATE] 09/26/2011  
[LUMCAT] 2STG24L840-2-D  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 LED SOFTRACE  
[MORE] W/ MODIFIED BOARD MOUNTS  
[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] 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 = 2406 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2406
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	31
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	2214	2514	2741
55	1968	2370	2628
65	1667	2133	2373
75	1355	1783	1937
85	847	1129	1235

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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>	853	853	853	853	853
<b>2.5</b>	853	850	850	851	852
<b>5.0</b>	847	846	847	849	851
<b>7.5</b>	841	839	841	845	847
<b>10.0</b>	832	831	834	840	843
<b>12.5</b>	822	821	826	834	837
<b>15.0</b>	808	809	816	826	830
<b>17.5</b>	792	796	806	816	822
<b>20.0</b>	776	781	794	806	813
<b>22.5</b>	758	763	781	796	803
<b>25.0</b>	736	743	764	784	791
<b>27.5</b>	714	723	747	770	778
<b>30.0</b>	688	701	729	755	764
<b>32.5</b>	662	677	709	738	748
<b>35.0</b>	633	655	688	721	731
<b>37.5</b>	604	625	664	699	710
<b>40.0</b>	572	596	638	676	686
<b>42.5</b>	539	565	611	649	659
<b>45.0</b>	509	532	578	623	630
<b>47.5</b>	472	500	550	588	601
<b>50.0</b>	434	466	518	554	567
<b>52.5</b>	401	431	482	518	529
<b>55.0</b>	367	397	442	480	490
<b>57.5</b>	331	366	405	440	453
<b>60.0</b>	296	325	367	405	411
<b>62.5</b>	265	289	330	364	368
<b>65.0</b>	229	256	293	317	326
<b>67.5</b>	199	223	257	280	289
<b>70.0</b>	169	192	221	241	245
<b>72.5</b>	142	159	184	198	204
<b>75.0</b>	114	132	150	162	163
<b>77.5</b>	92	100	118	125	125
<b>80.0</b>	65	77	85	90	92
<b>82.5</b>	48	52	56	62	62
<b>85.0</b>	24	27	32	34	35
<b>87.5</b>	12	15	19	20	20
<b>90.0</b>	9	9	8	10	10

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	311.38	N.A.	12.90
0-30	663.53	N.A.	27.60
0-40	1092.13	N.A.	45.40
0-60	1926.36	N.A.	80.10
0-80	2365.44	N.A.	98.30
0-90	2406.32	N.A.	100.00
10-90	2325.79	N.A.	96.70
20-40	780.75	N.A.	32.40
20-50	1224.24	N.A.	50.90
40-70	1118.85	N.A.	46.50
60-80	439.07	N.A.	18.20
70-80	154.46	N.A.	6.40
80-90	40.88	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	2406.32	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	80.53
10-20	230.85
20-30	352.16
30-40	428.59
40-50	443.49
50-60	390.75
60-70	284.62
70-80	154.46
80-90	40.88
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

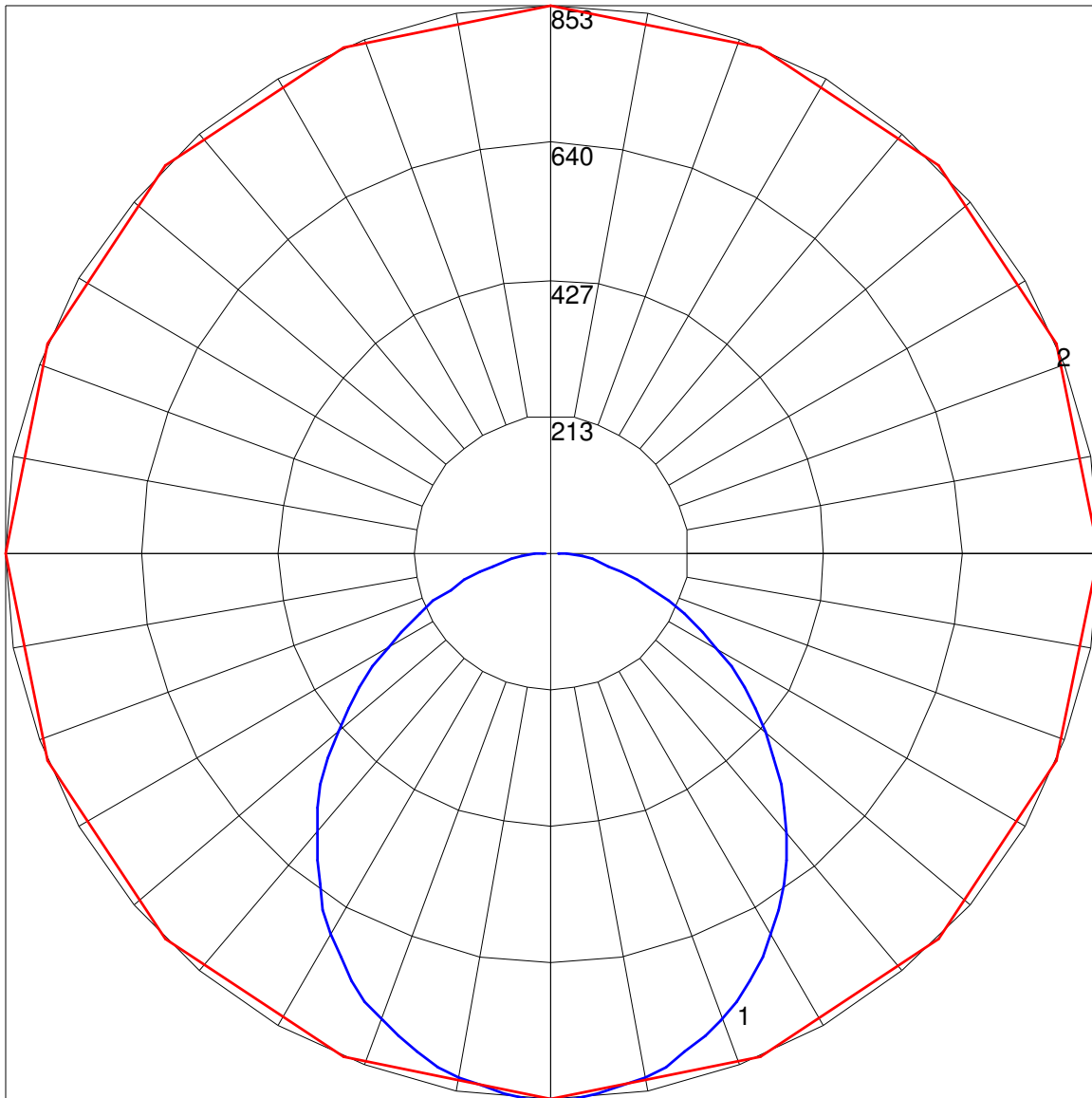
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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

POLAR GRAPH



Maximum Candela = 853 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)