

Day-Brite

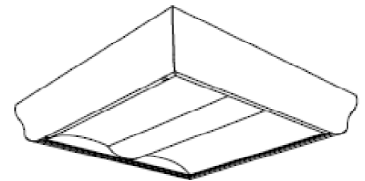
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29805D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29805
[TESTDATE] 09/26/2011
[LUMCAT] 2SST24L840-2-D
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 LED SURFACE 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>
0.0	853	853	853	853	853
2.5	853	850	850	851	852
5.0	847	846	847	849	851
7.5	841	839	841	845	847
10.0	832	831	834	840	843
12.5	822	821	826	834	837
15.0	808	809	816	826	830
17.5	792	796	806	816	822
20.0	776	781	794	806	813
22.5	758	763	781	796	803
25.0	736	743	764	784	791
27.5	714	723	747	770	778
30.0	688	701	729	755	764
32.5	662	677	709	738	748
35.0	633	655	688	721	731
37.5	604	625	664	699	710
40.0	572	596	638	676	686
42.5	539	565	611	649	659
45.0	509	532	578	623	630
47.5	472	500	550	588	601
50.0	434	466	518	554	567
52.5	401	431	482	518	529
55.0	367	397	442	480	490
57.5	331	366	405	440	453
60.0	296	325	367	405	411
62.5	265	289	330	364	368
65.0	229	256	293	317	326
67.5	199	223	257	280	289
70.0	169	192	221	241	245
72.5	142	159	184	198	204
75.0	114	132	150	162	163
77.5	92	100	118	125	125
80.0	65	77	85	90	92
82.5	48	52	56	62	62
85.0	24	27	32	34	35
87.5	12	15	19	20	20
90.0	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

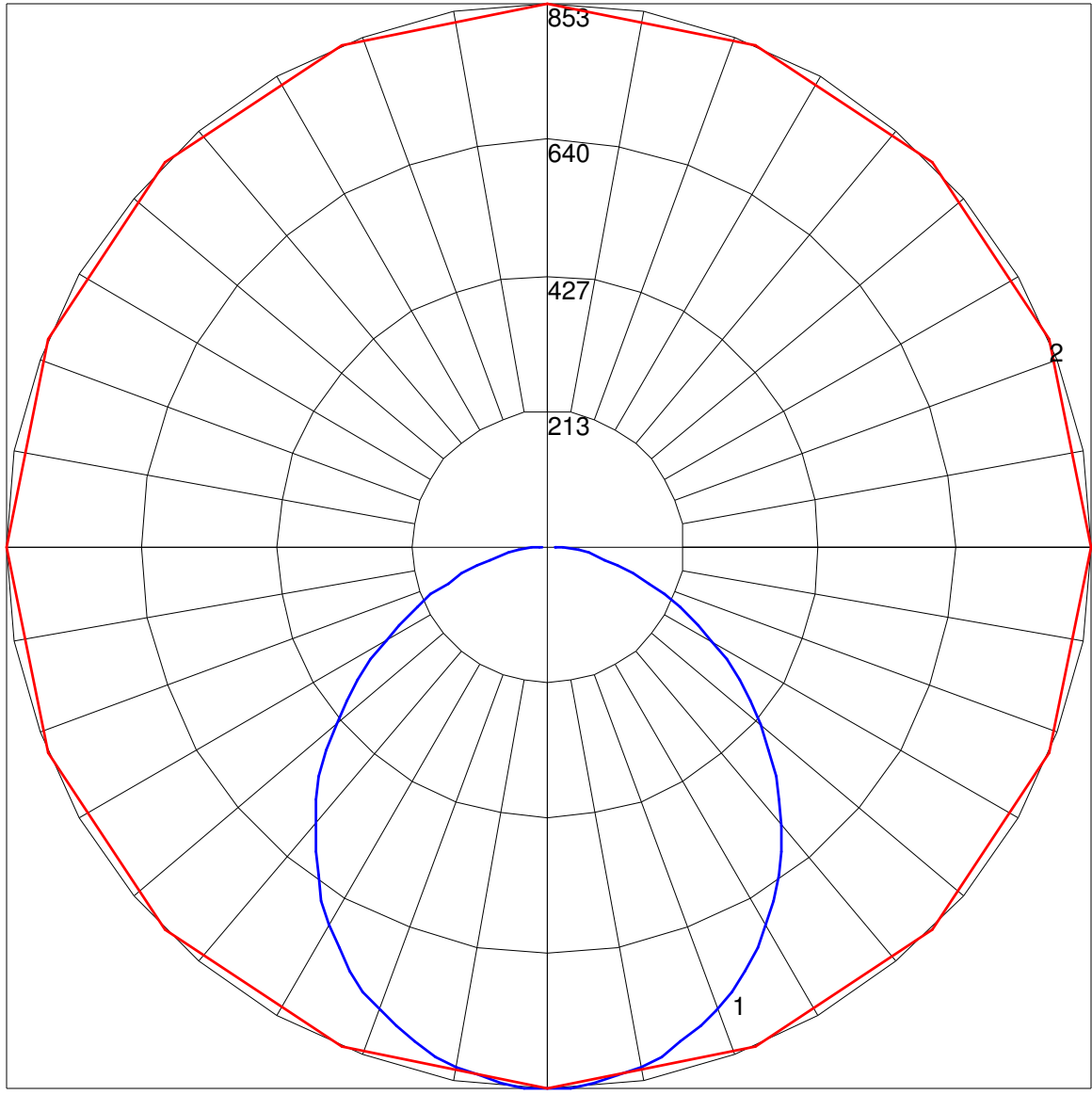
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	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.)