

Day-Brite

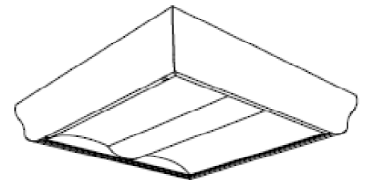
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29804D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29804
[TESTDATE] 09/23/2011
[LUMCAT] 2SST34L840-2-D
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 LED SURFACE SOFTRACE
[MORE] W/ MODIFIED BOARD MOUNTS
[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] 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 OUTOUT = 3368 LUMENS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3368
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	46
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	3080	3519	3889
55	2735	3325	3695
65	2336	2970	3363
75	1913	2520	2793
85	1271	1518	1870

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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	1196	1196	1196	1196	1196
2.5	1197	1191	1191	1193	1195
5.0	1189	1186	1187	1190	1192
7.5	1179	1176	1178	1183	1188
10.0	1168	1164	1168	1177	1182
12.5	1152	1151	1157	1168	1174
15.0	1135	1135	1145	1157	1165
17.5	1112	1114	1129	1144	1153
20.0	1088	1093	1112	1130	1141
22.5	1062	1067	1092	1115	1128
25.0	1034	1040	1071	1098	1112
27.5	1002	1014	1045	1078	1094
30.0	966	980	1018	1057	1074
32.5	928	944	991	1033	1054
35.0	888	910	959	1008	1026
37.5	848	871	928	980	999
40.0	804	831	890	946	966
42.5	755	792	849	907	931
45.0	708	744	809	866	894
47.5	663	700	767	825	848
50.0	612	653	721	778	798
52.5	564	602	672	730	749
55.0	510	550	620	669	689
57.5	463	504	565	616	636
60.0	418	455	516	563	583
62.5	370	404	462	505	527
65.0	321	359	408	443	462
67.5	280	306	360	394	405
70.0	238	264	310	336	348
72.5	197	221	260	277	288
75.0	161	182	212	226	235
77.5	130	140	165	170	182
80.0	92	106	118	124	131
82.5	66	69	84	85	88
85.0	36	40	43	47	53
87.5	16	21	24	26	28
90.0	10	12	10	12	15

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	436.43	N.A.	13.00
0-30	929.81	N.A.	27.60
0-40	1529.29	N.A.	45.40
0-60	2696.63	N.A.	80.10
0-80	3311.19	N.A.	98.30
0-90	3368.02	N.A.	100.00
10-90	3255.16	N.A.	96.60
20-40	1092.86	N.A.	32.40
20-50	1713.64	N.A.	50.90
40-70	1565.69	N.A.	46.50
60-80	614.56	N.A.	18.20
70-80	216.20	N.A.	6.40
80-90	56.83	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	3368.02	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.85
10-20	323.58
20-30	493.38
30-40	599.48
40-50	620.78
50-60	546.56
60-70	398.35
70-80	216.20
80-90	56.83
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

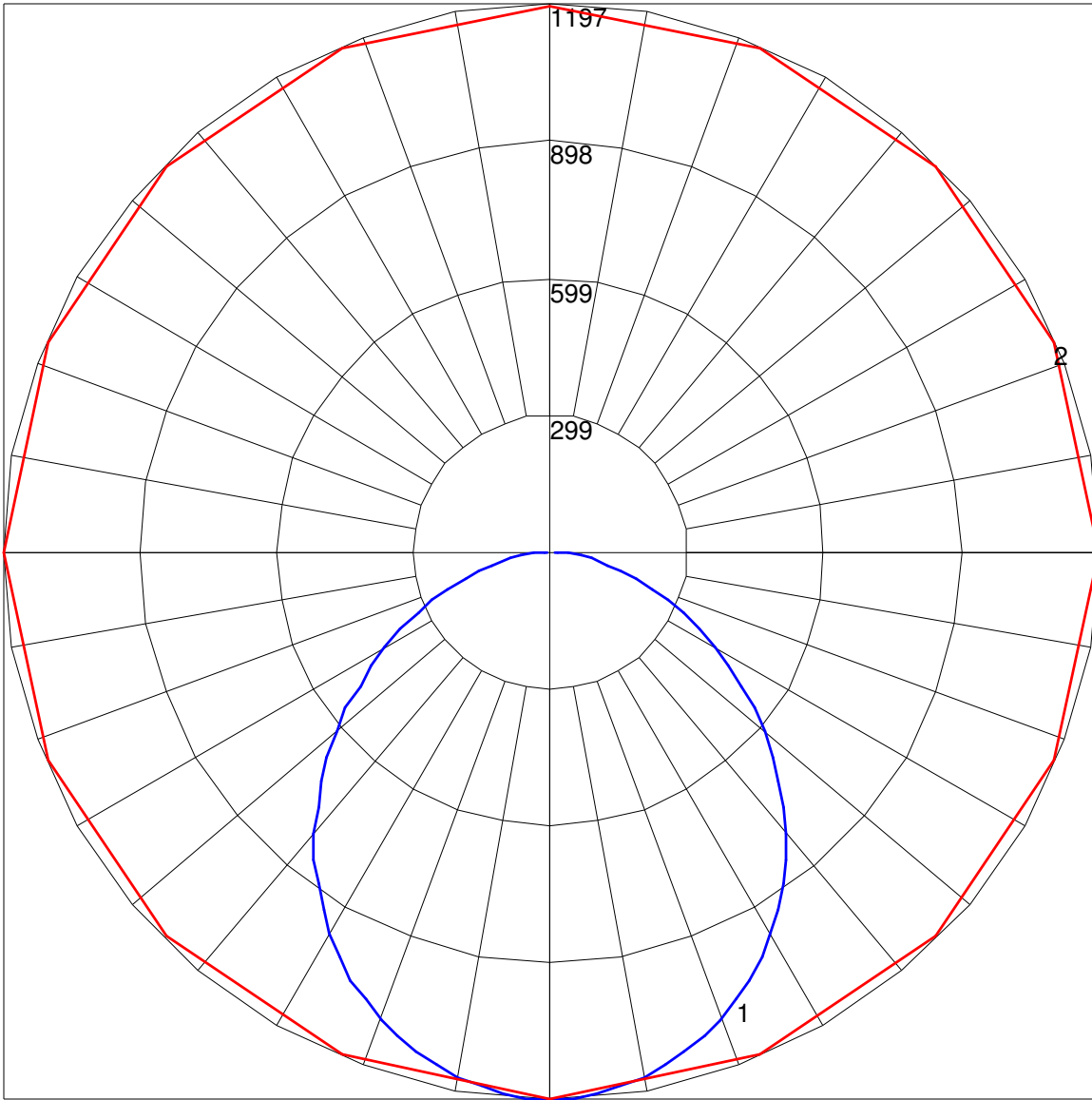
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1197 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.)