

Day-Brite

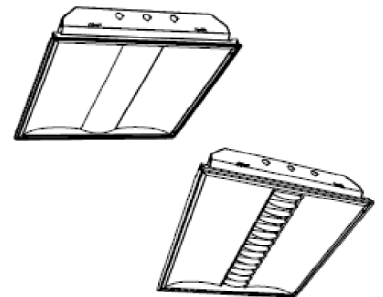
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29979.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29979
[TESTDATE] 11/09/2011
[LUMCAT] 2STG30L840-2-PMW
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SOFTRACE LED
[MORE] W/ PERFORATED DOOR
[LAMP] 38WLED
[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 = 2690 LUMENS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2690
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.38
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	2510	2828	3158
55	2215	2596	2955
65	1841	2271	2591
75	1438	1830	2068
85	918	1059	1129

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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	980	980	980	980	980
2.5	982	977	976	976	977
5.0	976	972	972	975	975
7.5	968	965	967	971	972
10.0	959	955	959	964	970
12.5	946	945	950	958	964
15.0	930	930	941	950	958
17.5	913	914	928	941	950
20.0	893	897	913	930	941
22.5	872	877	896	916	929
25.0	848	853	877	903	917
27.5	818	830	858	886	902
30.0	791	803	835	867	884
32.5	760	774	809	847	866
35.0	727	745	785	826	844
37.5	694	712	756	796	820
40.0	657	676	723	767	792
42.5	616	636	685	735	759
45.0	577	600	650	701	726
47.5	537	561	612	660	686
50.0	495	519	572	619	642
52.5	453	478	530	573	598
55.0	413	435	484	528	551
57.5	370	395	441	483	503
60.0	329	352	397	434	457
62.5	288	314	357	387	407
65.0	253	271	312	344	356
67.5	220	237	271	293	309
70.0	185	199	230	252	265
72.5	152	168	192	209	217
75.0	121	135	154	165	174
77.5	95	105	120	122	130
80.0	70	77	86	84	88
82.5	50	53	53	54	58
85.0	26	27	30	30	32
87.5	13	14	15	15	15
90.0	9	10	10	10	10

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	358.27	N.A.	13.30
0-30	763.34	N.A.	28.40
0-40	1253.61	N.A.	46.60
0-60	2185.47	N.A.	81.20
0-80	2651.23	N.A.	98.60
0-90	2690.05	N.A.	100.00
10-90	2597.52	N.A.	96.60
20-40	895.34	N.A.	33.30
20-50	1395.92	N.A.	51.90
40-70	1237.48	N.A.	46.00
60-80	465.76	N.A.	17.30
70-80	160.14	N.A.	6.00
80-90	38.82	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	2690.05	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.54
10-20	265.74
20-30	405.07
30-40	490.27
40-50	500.58
50-60	431.28
60-70	305.62
70-80	160.14
80-90	38.82
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

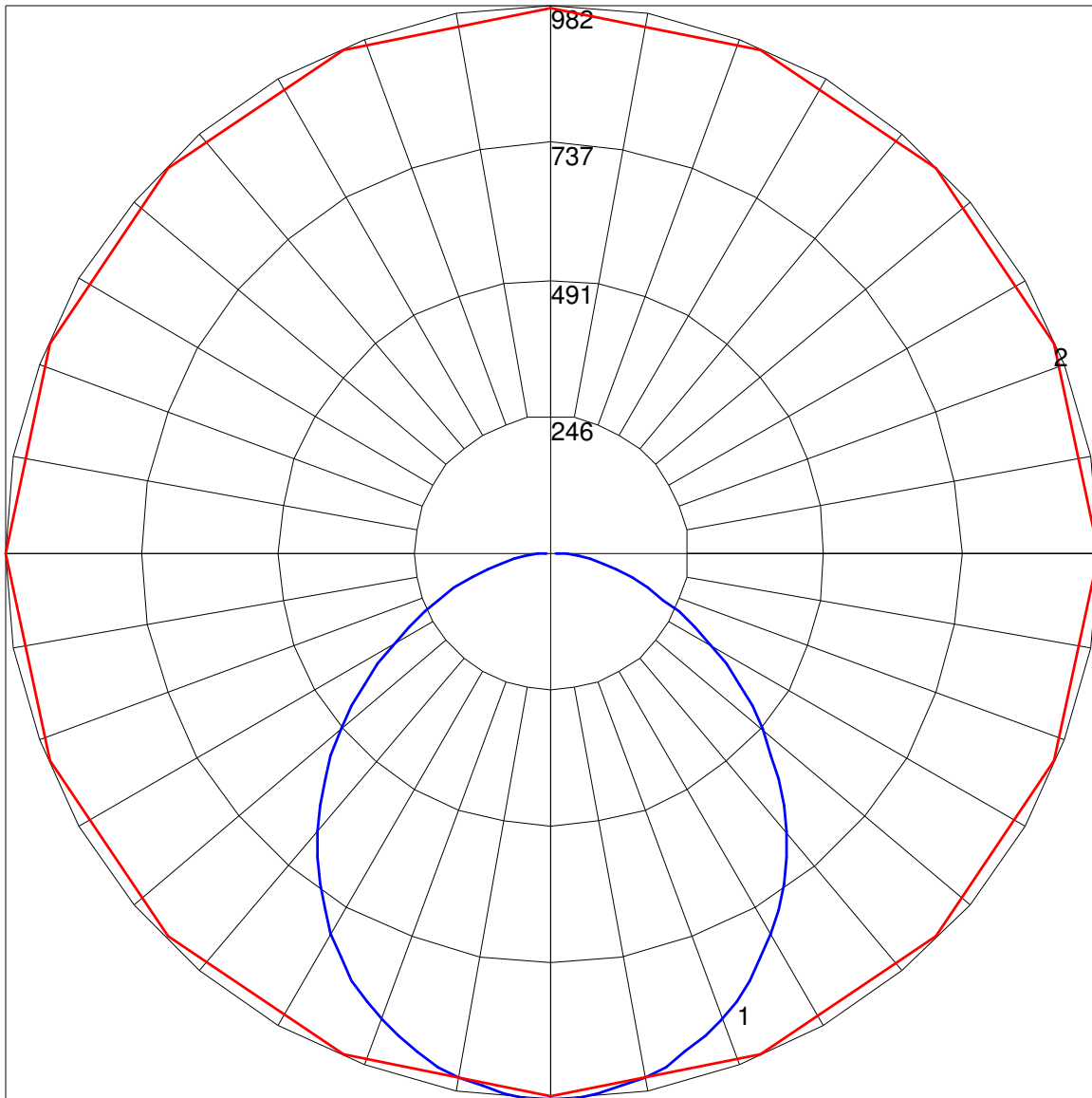
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	100	97		106	102	99	95	98	95	92	94	92	89	91	89	87	85	85	85
2	99	91	85	79		97	90	83	78	86	81	76	83	78	75	80	76	73	71	71	71
3	91	80	72	66		88	79	71	66	76	70	64	73	68	63	71	66	62	60	60	60
4	83	71	63	56		81	70	62	56	68	61	55	65	59	54	63	58	54	51	51	51
5	77	64	55	48		74	63	54	48	61	53	48	59	52	47	57	51	47	45	45	45
6	71	58	49	42		69	57	48	42	55	47	42	53	46	41	52	46	41	39	39	39
7	66	52	43	37		64	51	43	37	50	42	37	48	42	37	47	41	36	34	34	34
8	61	48	39	33		60	47	39	33	46	38	33	44	38	33	43	37	33	31	31	31
9	57	44	36	30		56	43	35	30	42	35	30	41	34	30	40	34	29	28	28	28
10	53	40	32	27		52	40	32	27	39	32	27	38	31	27	37	31	27	25	25	25

POLAR GRAPH



Maximum Candela = 982 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.)