

Day-Brite

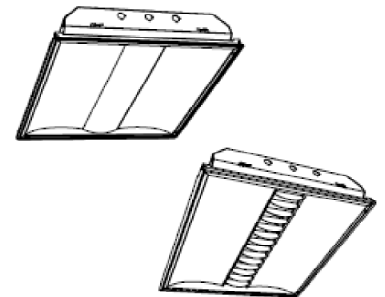
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29980.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29980
[TESTDATE] 11/09/2011
[LUMCAT] 2STG24L840-2-PMW
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SOFTRACE LED
[MORE] W/ PERFORATED 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] Experimental
[_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 = 2138 LUMENS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2138
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	30
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	1992	2240	2514
55	1754	2070	2370
65	1463	1834	2089
75	1153	1497	1616
85	706	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>
0.0	777	777	777	777	777
2.5	780	775	773	774	776
5.0	777	774	772	772	775
7.5	771	767	768	770	772
10.0	761	759	761	766	769
12.5	751	750	754	759	765
15.0	739	738	745	752	759
17.5	726	726	734	743	752
20.0	708	712	723	735	745
22.5	692	694	708	724	737
25.0	673	676	694	713	727
27.5	650	658	677	701	714
30.0	628	634	658	686	701
32.5	605	611	639	669	687
35.0	579	587	617	652	669
37.5	550	559	594	630	653
40.0	521	533	570	608	632
42.5	491	505	544	584	604
45.0	458	473	515	555	578
47.5	428	444	483	526	547
50.0	394	412	455	493	514
52.5	359	380	419	457	481
55.0	327	344	386	424	442
57.5	293	315	354	388	406
60.0	261	281	321	353	367
62.5	231	246	283	314	329
65.0	201	219	252	275	287
67.5	172	186	216	239	250
70.0	146	159	186	204	214
72.5	121	133	156	170	175
75.0	97	107	126	134	136
77.5	76	83	95	99	98
80.0	55	62	66	67	71
82.5	38	38	41	42	44
85.0	20	22	25	24	26
87.5	11	12	12	11	12
90.0	9	11	11	9	9

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	284.12	N.A.	13.30
0-30	604.70	N.A.	28.30
0-40	992.09	N.A.	46.40
0-60	1733.7	N.A.	81.10
0-80	2107.11	N.A.	98.60
0-90	2137.82	N.A.	100.00
10-90	2064.34	N.A.	96.60
20-40	707.97	N.A.	33.10
20-50	1105.2	N.A.	51.70
40-70	986.68	N.A.	46.20
60-80	373.41	N.A.	17.50
70-80	128.34	N.A.	6.00
80-90	30.71	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	2137.82	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.48
10-20	210.63
20-30	320.58
30-40	387.39
40-50	397.23
50-60	344.38
60-70	245.07
70-80	128.34
80-90	30.71
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

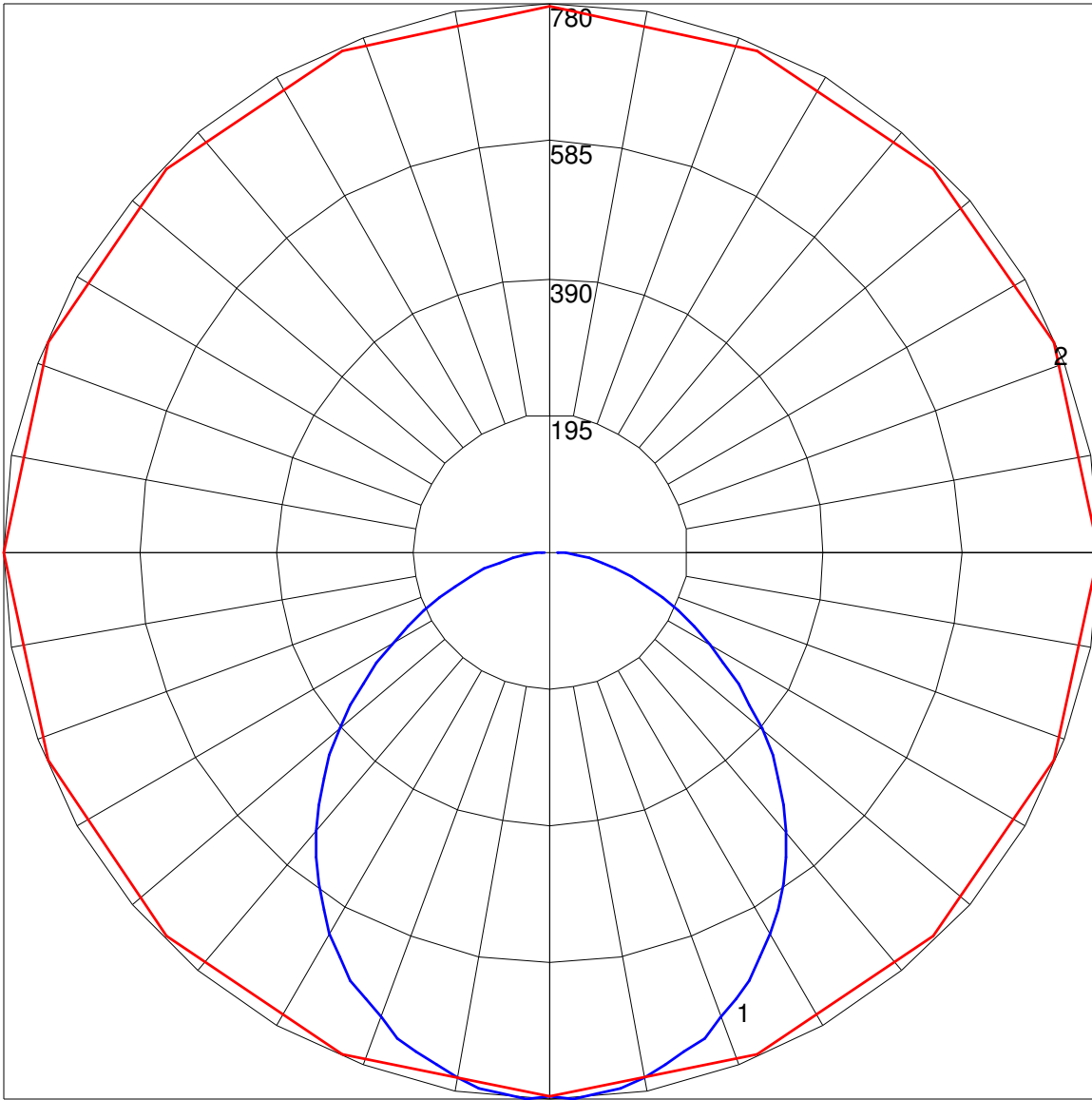
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 780 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.)