

Day-Brite

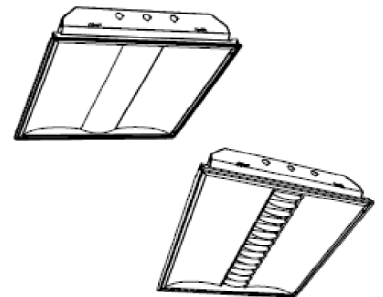
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29986.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29986
[TESTDATE] 11/10/2011
[LUMCAT] 2STG38L840-2-PMW
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SOFTRACE LED
[MORE] W/ PERFORATED DOOR
[LAMP] 53WLED
[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 = 3463 LUMENS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3463
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.36
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	3223	3628	4080
55	2837	3341	3840
65	2365	2911	3392
75	1878	2389	2686
85	1200	1482	1518

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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	1264	1264	1264	1264	1264
2.5	1267	1261	1260	1259	1259
5.0	1260	1254	1254	1256	1258
7.5	1249	1244	1245	1253	1254
10.0	1235	1232	1235	1242	1250
12.5	1219	1217	1224	1232	1243
15.0	1198	1198	1210	1222	1234
17.5	1176	1176	1193	1208	1224
20.0	1150	1152	1174	1196	1212
22.5	1123	1127	1152	1180	1198
25.0	1089	1097	1127	1162	1183
27.5	1056	1065	1103	1139	1165
30.0	1017	1030	1072	1114	1142
32.5	978	992	1039	1087	1119
35.0	941	952	1004	1059	1091
37.5	893	910	967	1026	1059
40.0	847	865	927	987	1022
42.5	795	816	880	943	984
45.0	741	768	834	897	938
47.5	692	717	784	851	890
50.0	642	667	734	796	834
52.5	587	610	677	740	776
55.0	529	557	623	682	716
57.5	477	502	567	623	657
60.0	421	453	511	561	589
62.5	373	400	455	502	528
65.0	325	353	400	447	466
67.5	279	301	347	383	404
70.0	237	254	301	328	343
72.5	195	212	250	269	281
75.0	158	172	201	214	226
77.5	122	134	159	164	165
80.0	93	101	108	116	114
82.5	62	65	72	74	73
85.0	34	37	42	41	43
87.5	16	19	19	18	18
90.0	9	10	7	10	10

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	461.30	N.A.	13.30
0-30	982.34	N.A.	28.40
0-40	1611.95	N.A.	46.60
0-60	2810.43	N.A.	81.20
0-80	3412.2	N.A.	98.50
0-90	3462.7	N.A.	100.00
10-90	3343.38	N.A.	96.60
20-40	1150.64	N.A.	33.20
20-50	1794.01	N.A.	51.80
40-70	1592.75	N.A.	46.00
60-80	601.77	N.A.	17.40
70-80	207.51	N.A.	6.00
80-90	50.50	N.A.	1.50
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	3462.7	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.32
10-20	341.99
20-30	521.03
30-40	629.61
40-50	643.37
50-60	555.12
60-70	394.26
70-80	207.51
80-90	50.50
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

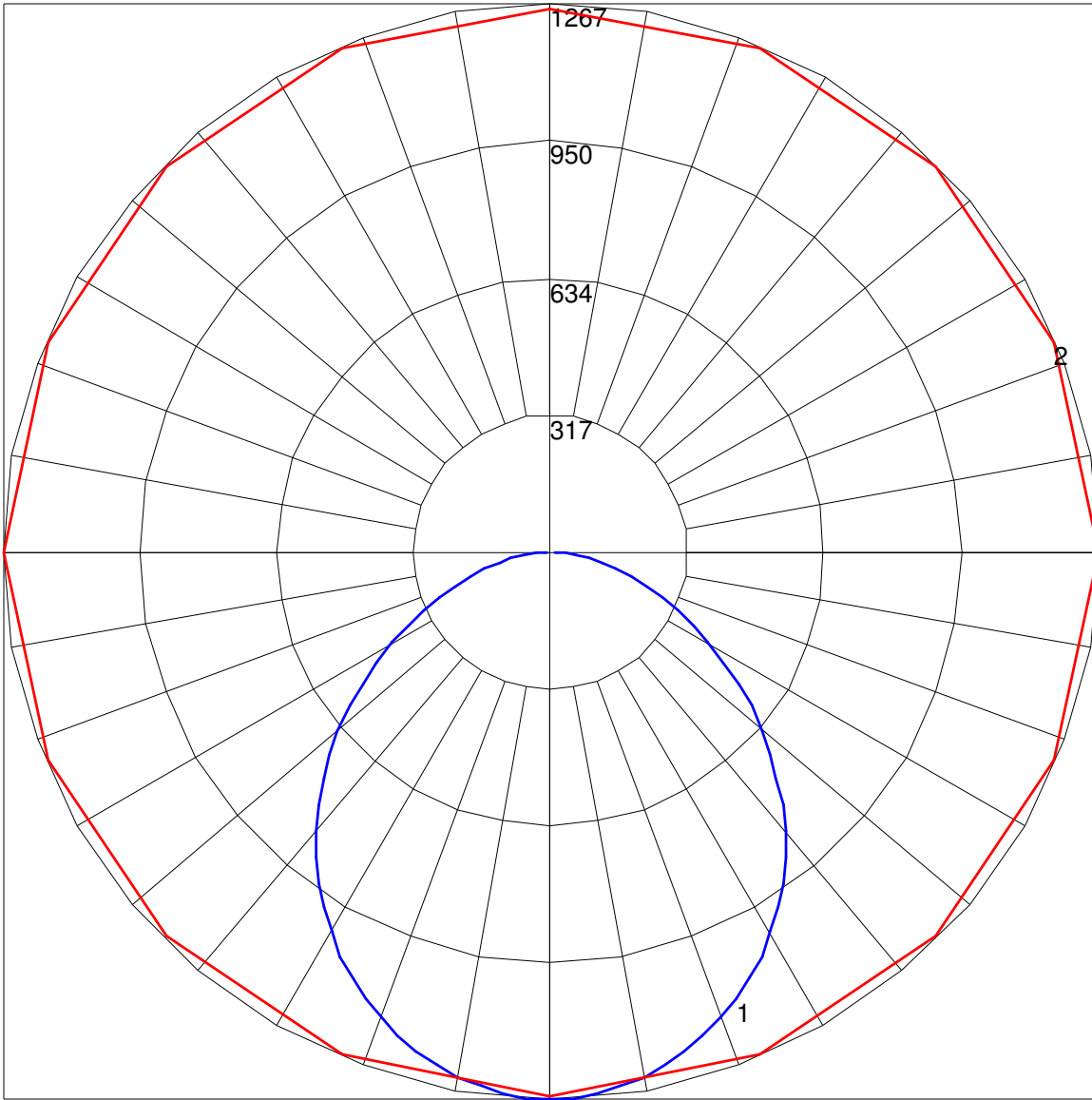
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	106	106	106	100
1	109	105	100	97		106	102	98	95		98	95	92			94	92	89	85
2	99	91	85	79		97	90	83	78		86	81	76			83	78	75	71
3	91	80	72	66		88	79	71	65		76	70	64			73	68	63	60
4	83	71	63	56		81	70	62	56		68	61	55			65	59	54	51
5	77	64	55	48		74	63	54	48		61	53	48			59	52	47	44
6	71	58	49	42		69	57	48	42		55	47	42			53	46	41	39
7	66	52	43	37		64	51	43	37		50	42	37			48	42	37	34
8	61	48	39	33		59	47	39	33		46	38	33			44	38	33	31
9	57	44	36	30		56	43	35	30		42	35	30			41	34	30	28
10	53	40	32	27		52	40	32	27		39	32	27			38	31	27	25

POLAR GRAPH



Maximum Candela = 1267 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.)