

Day-Brite

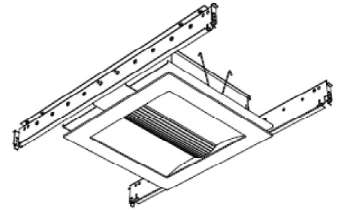
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 28446.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 28446
[TESTDATE] 08/06/2009
[LUMCAT] 1STB126QPL-D-1/1-EB
[LUMINAIRE] DAY-BRITE 1X1 SOFTRACE W/ DIFFUSE DIFFUSER
[LAMP] CFQ26W
[BALLAST] TRIAD C2642UNVSE
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 8/12/2009
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER]Test distance = 30 ft.
[MORE]Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	1825 (1 lamp)
Total Lamp Lumens	1825
Luminaire Lumens	1132
Total Luminaire Efficiency	62 %
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	25
Ballast Factor	1.02
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.81 ft
Luminous Width (90-270)	0.81 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	5875	6036	6174
55	5510	5680	5850
65	4972	5242	5473
75	4091	4657	4909
85	2430	3364	3738

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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	417	417	417	417	417
2.5	417	420	418	410	416
5.0	416	418	416	408	416
7.5	412	415	414	406	412
10.0	409	411	410	403	409
12.5	403	406	405	398	405
15.0	395	400	399	393	399
17.5	389	393	392	386	393
20.0	381	384	384	379	386
22.5	371	375	375	372	378
25.0	361	364	366	363	369
27.5	350	354	356	354	358
30.0	338	341	343	343	348
32.5	326	328	331	331	336
35.0	312	315	319	320	323
37.5	298	302	306	307	310
40.0	286	288	293	293	297
42.5	271	273	277	280	282
45.0	255	257	262	264	268
47.5	240	242	248	250	253
50.0	224	227	232	234	237
52.5	209	213	216	219	222
55.0	194	195	200	204	206
57.5	176	179	184	188	191
60.0	161	163	168	173	175
62.5	144	147	154	156	159
65.0	129	131	136	142	142
67.5	113	115	120	125	126
70.0	94	99	103	109	110
72.5	79	83	88	91	94
75.0	65	69	74	76	78
77.5	50	54	59	60	63
80.0	36	40	43	46	47
82.5	24	26	30	33	33
85.0	13	15	18	20	20
87.5	9	10	12	13	13
90.0	4	5	5	7	7

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	319.33	17.50	28.20
0-40	518.13	28.40	45.80
0-60	898.51	49.20	79.40
0-90	1131.93	62.00	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	1131.93	62.00	100.00

Total Luminaire Efficiency = 62.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.36
10-20	112.06
20-30	167.91
30-40	198.80
40-50	201.78
50-60	178.59
60-70	134.53
70-80	76.48
80-90	22.42
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

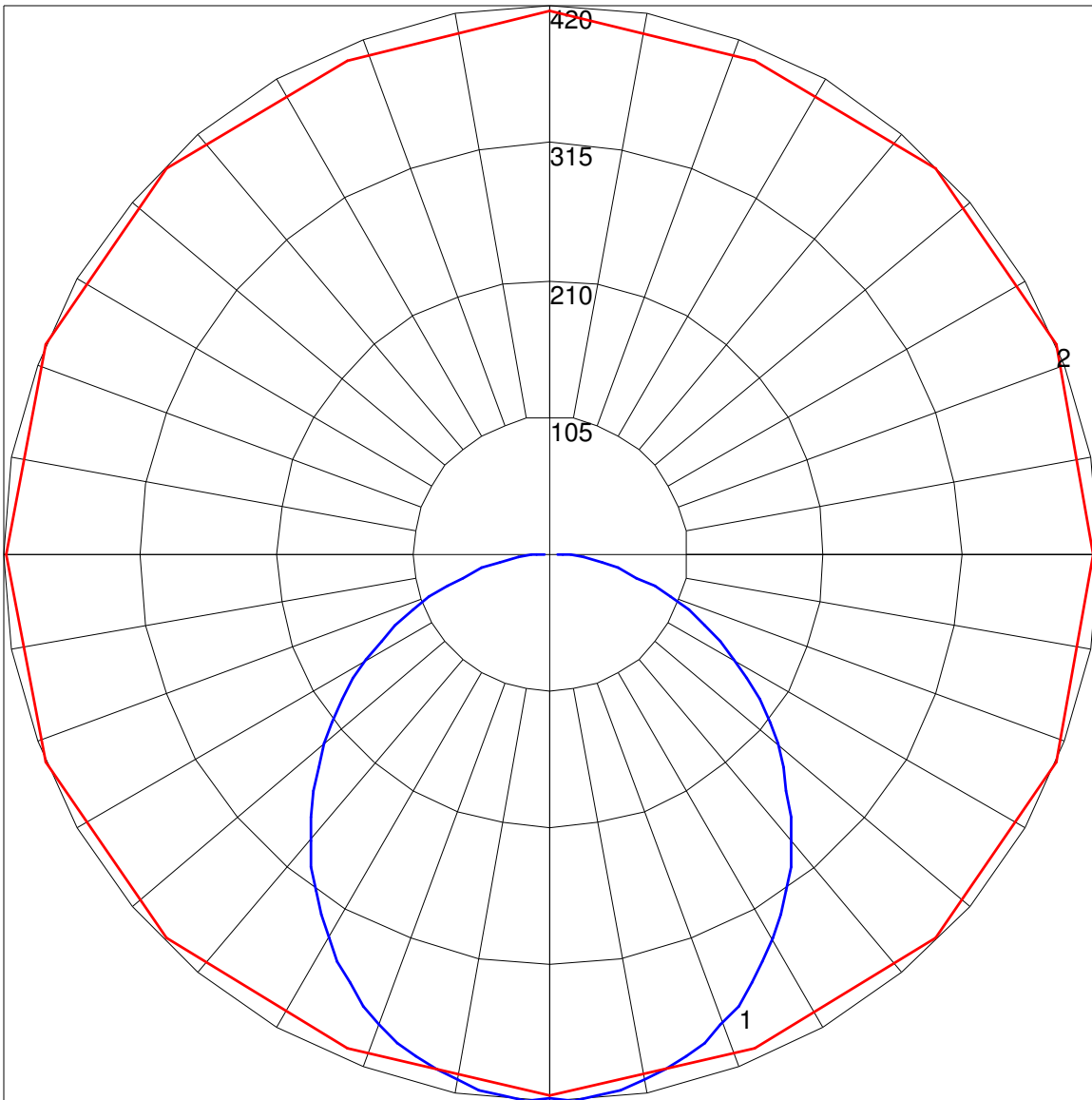
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	74	74	74	74	72	72	72	72	69	69	69	66	66	66	63	63	63	62
1	67	65	62	59	66	63	61	58	60	58	57	58	56	55	56	54	53	52
2	61	56	52	49	60	55	51	48	53	50	47	51	48	46	49	47	45	43
3	56	49	44	40	54	48	44	40	47	43	39	45	41	39	43	40	38	37
4	51	44	38	34	50	43	38	34	41	37	34	40	36	33	39	35	33	31
5	47	39	34	30	46	39	33	29	37	33	29	36	32	29	35	31	28	27
6	44	35	30	26	42	35	30	26	34	29	25	33	28	25	32	28	25	24
7	40	32	27	23	39	32	26	23	31	26	23	30	26	22	29	25	22	21
8	38	29	24	20	37	29	24	20	28	23	20	27	23	20	27	23	20	19
9	35	27	22	18	34	27	22	18	26	21	18	25	21	18	25	21	18	17
10	33	25	20	17	32	25	20	17	24	20	17	23	19	16	23	19	16	15

POLAR GRAPH



Maximum Candela = 420 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)