

Day-Brite

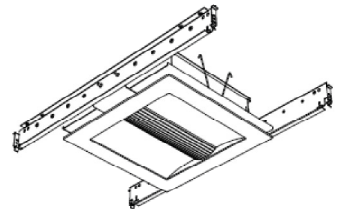
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 28448.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 28448
[TESTDATE] 08/07/2009
[LUMCAT] 1STB132PLT-D-1/1-EB
[LUMINAIRE] DAY-BRITE 1X1 SOFTRACE W/DIFFUSE DIFFUSER
[LAMP] CFT32W
[BALLAST] TRIAD C2642UNVSE
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 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	2400 (1 lamp)
Total Lamp Lumens	2400
Luminaire Lumens	1951
Total Luminaire Efficiency	81 %
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	36
Ballast Factor	1.00
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	10159	10413	10620
55	9486	9827	10167
65	8480	9058	9521
75	7049	7867	8497
85	4112	5420	6729

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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	717	717	717	717	717
2.5	717	718	716	716	715
5.0	714	714	713	713	713
7.5	708	709	709	708	708
10.0	702	703	702	703	702
12.5	692	694	694	694	694
15.0	681	683	683	685	685
17.5	669	671	672	674	675
20.0	654	657	658	663	661
22.5	637	641	643	646	648
25.0	620	623	626	630	633
27.5	602	605	611	615	615
30.0	582	585	592	598	597
32.5	560	566	570	575	577
35.0	539	543	548	554	557
37.5	515	519	526	533	534
40.0	490	496	504	510	511
42.5	466	472	477	485	487
45.0	441	446	452	457	461
47.5	416	419	427	434	437
50.0	387	391	400	406	409
52.5	360	365	373	380	383
55.0	334	338	346	351	358
57.5	306	309	317	323	331
60.0	279	281	289	297	302
62.5	249	253	261	270	274
65.0	220	226	235	243	247
67.5	193	200	207	213	220
70.0	164	171	179	187	190
72.5	138	145	153	160	162
75.0	112	119	125	131	135
77.5	85	93	101	103	108
80.0	60	68	75	77	80
82.5	40	45	53	54	57
85.0	22	26	29	33	36
87.5	15	17	20	22	23
90.0	8	10	11	11	12

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	549.48	22.90	28.20
0-40	892.44	37.20	45.70
0-60	1549.35	64.60	79.40
0-90	1951.17	81.30	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	1951.17	81.30	100.00

Total Luminaire Efficiency = 81.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.74
10-20	192.85
20-30	288.89
30-40	342.95
40-50	348.66
50-60	308.26
60-70	231.65
70-80	131.96
80-90	38.21
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

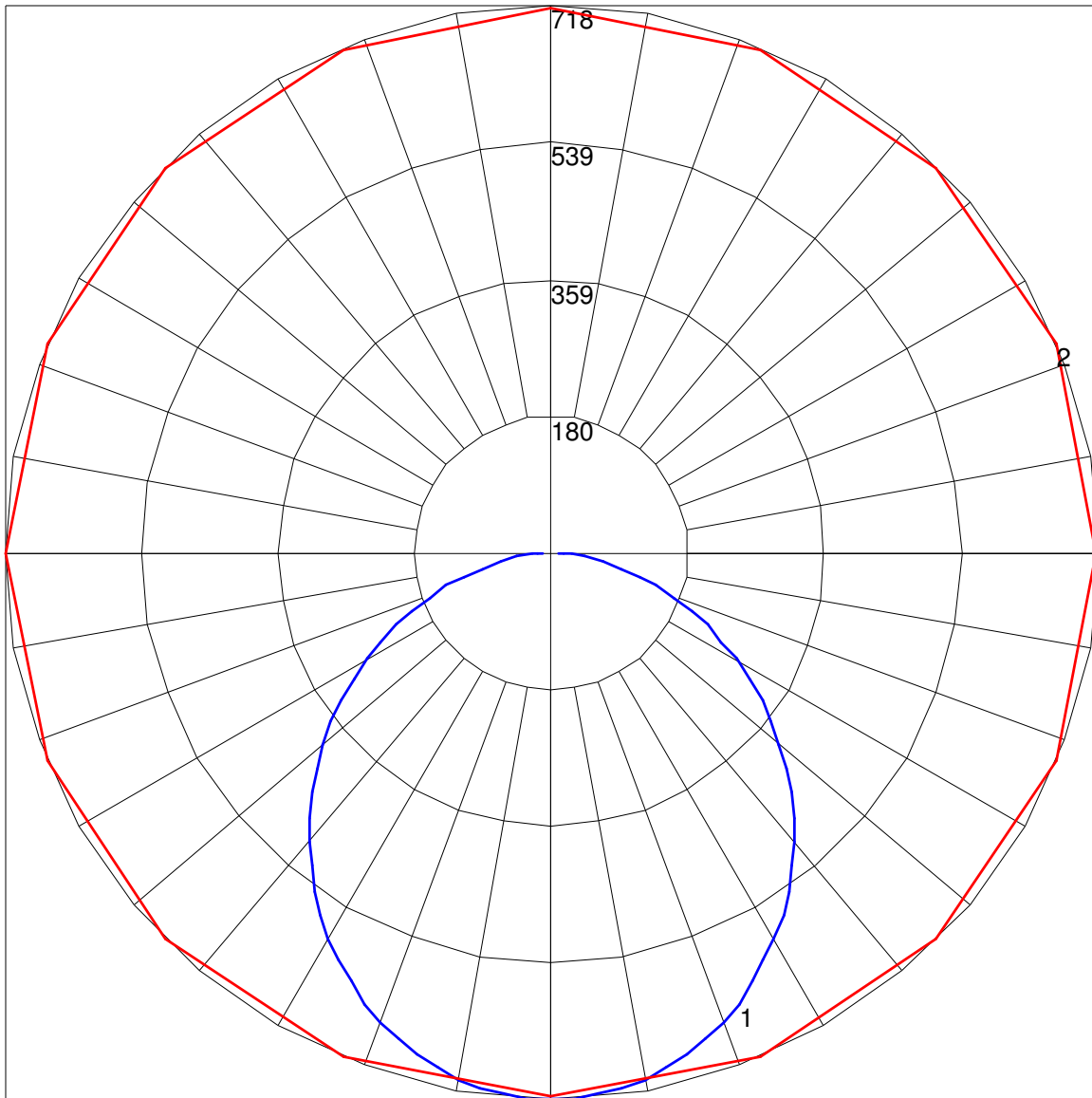
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	97	97	97	95	95	95	95	90	90	90	86	86	86	83	83	83	81
1	88	85	81	78	86	83	80	77	79	77	74	76	74	72	73	71	70	68
2	80	74	68	64	78	72	67	63	69	65	61	67	63	60	64	61	59	57
3	73	65	58	53	71	64	57	52	61	56	52	59	54	51	57	53	50	48
4	67	57	50	45	65	56	50	45	54	49	44	52	47	43	51	46	43	41
5	62	51	44	39	60	51	44	39	49	43	38	47	42	38	46	41	37	36
6	57	46	39	34	56	46	39	34	44	38	33	43	37	33	41	37	33	31
7	53	42	35	30	52	41	35	30	40	34	30	39	33	29	38	33	29	28
8	49	38	31	27	48	38	31	27	37	31	26	36	30	26	35	30	26	25
9	46	35	29	24	45	35	28	24	34	28	24	33	28	24	32	27	24	22
10	43	33	26	22	42	32	26	22	31	26	22	31	25	22	30	25	21	20

POLAR GRAPH



Maximum Candela = 718 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.)