PHILIPS

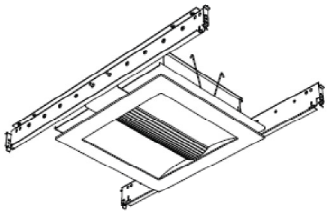
Day-Brite

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 28449.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 28449
[TESTDATE] 08/07/2009
[LUMCAT] 1STB142PLT-D-1/1-EB
[LUMINAIRE] DAY-BRITE 1X1 SOFTRACE W/DIFFUSE DIFFUSER
[LAMP] CFT42W
[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	3200 (1 lamp)
Total Lamp Lumens	3200
Luminaire Lumens	2592
Total Luminaire Efficiency	81 %
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	46
Ballast Factor	0.98
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	13500	13845	14168
55	12581	12979	13433
65	11332	12026	12681
75	9315	10637	11266
85	5794	7663	8598

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	955	955	955	955	955
2.5	952	954	954	954	955
5.0	948	950	950	951	951
7.5	941	943	943	945	945
10.0	932	933	935	937	938
12.5	918	922	924	927	927
15.0	905	908	911	914	915
17.5	888	890	894	898	900
20.0	868	872	877	881	883
22.5	847	851	856	862	864
25.0	822	827	834	842	843
27.5	799	802	810	818	820
30.0	772	775	783	791	794
32.5	742	746	756	765	768
35.0	712	720	727	736	741
37.5	682	685	698	709	712
40.0	650	657	667	674	682
42.5	618	622	634	645	648
45.0	586	591	601	611	615
47.5	550	554	567	576	582
50.0	515	519	527	540	549
52.5	481	484	494	504	513
55.0	443	446	457	469	473
57.5	407	410	421	432	438
60.0	368	372	387	394	402
62.5	334	337	347	359	367
65.0	294	297	312	323	329
67.5	255	263	275	285	293
70.0	218	226	237	248	256
72.5	184	193	204	211	217
75.0	148	158	169	176	179
77.5	113	122	132	140	143
80.0	80	89	99	105	109
82.5	53	58	68	72	76
85.0	31	33	41	43	46
87.5	20	23	29	30	30
90.0	11	12	16	16	15

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	730.93	22.80	28.20
0-40	1185.67	37.10	45.70
0-60	2057.83	64.30	79.40
0-90	2592.15	81.00	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	2592.15	81.00	100.00

Total Luminaire Efficiency = 81.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.20
10-20	256.70
20-30	384.02
30-40	454.74
40-50	462.82
50-60	409.34
60-70	307.83
70-80	175.65
80-90	50.85
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	96	96	96	96	94	94	94	94	90	90	90	86	86	86	83	83	83	81
1	88	84	81	78	86	82	79	76	79	76	74	76	74	72	73	71	70	68
2	80	73	68	63	78	72	67	63	69	65	61	66	63	60	64	61	58	57
3	73	65	58	53	71	63	57	52	61	56	51	59	54	50	57	53	50	48
4	67	57	50	45	65	56	50	44	54	48	44	52	47	43	51	46	43	41
5	62	51	44	39	60	50	43	38	49	43	38	47	42	38	45	41	37	35
6	57	46	39	34	55	45	39	34	44	38	33	43	37	33	41	36	33	31
7	53	42	35	30	51	41	34	30	40	34	29	39	33	29	38	33	29	27
8	49	38	31	27	48	38	31	27	37	31	26	36	30	26	35	30	26	25
9	46	35	28	24	45	35	28	24	34	28	24	33	28	24	32	27	24	22
10	43	32	26	22	42	32	26	22	31	26	22	30	25	22	30	25	21	20

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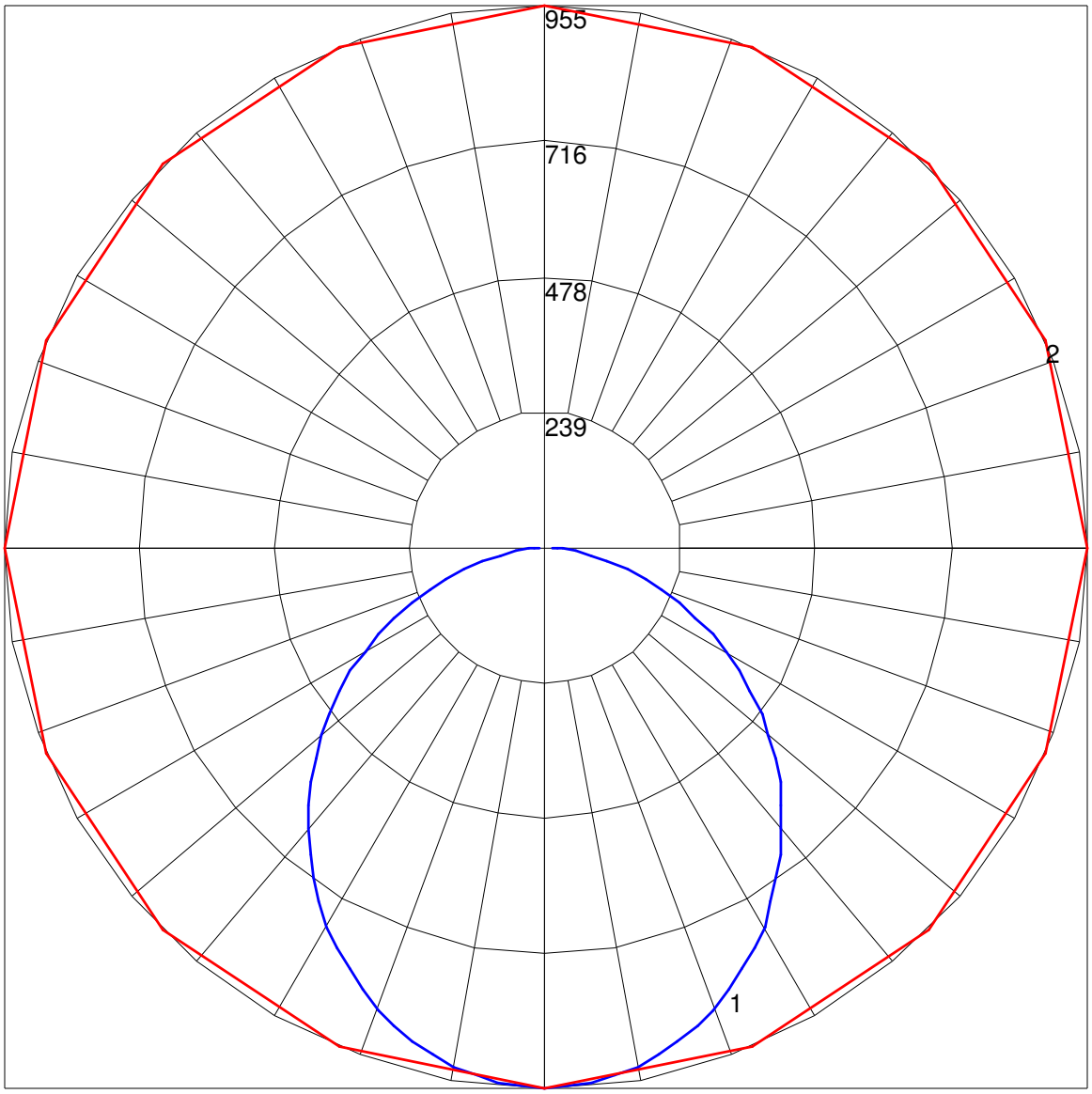
POLAR GRAPH



Maximum Candela = 955 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)