

Day-Brite

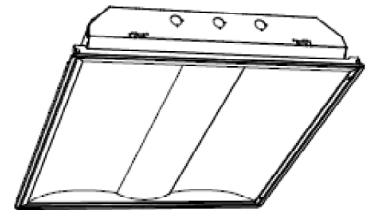
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27115.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27115
[DATE] 11/19/2007
[LUMCAT] 2STG214-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE W/PERFORATED BASKET
[LAMP] F14T5
[BALLAST] TRIAD B228PUNV-C
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 11/19/2007
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Reflection factor 0.92, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	1200 (2 lamps)
Total Lamp Lumens	2400
Luminaire Lumens	1894
Total Luminaire Efficiency	79 %
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.81 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	1619	1871	2182
55	1427	1857	2291
65	1172	1706	2366
75	928	1582	1914
85	579	579	715

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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	639	639	639	639	639
2.5	639	639	638	637	637
5.0	636	636	636	636	636
7.5	631	632	631	632	633
10.0	624	625	625	626	628
12.5	619	619	619	623	624
15.0	608	609	612	615	617
17.5	597	599	603	608	611
20.0	585	588	593	600	603
22.5	572	576	583	591	597
25.0	557	562	572	584	589
27.5	541	544	557	570	580
30.0	523	527	543	564	574
32.5	504	510	530	556	568
35.0	485	491	515	546	561
37.5	461	470	498	536	552
40.0	438	448	482	524	544
42.5	412	424	467	512	533
45.0	386	399	446	498	520
47.5	362	376	427	483	506
50.0	333	350	406	466	489
52.5	304	324	382	442	467
55.0	276	296	359	418	443
57.5	248	268	331	392	416
60.0	220	241	305	363	387
62.5	192	215	275	332	357
65.0	167	188	243	298	337
67.5	143	162	214	281	307
70.0	121	138	185	251	269
72.5	100	114	164	211	215
75.0	81	92	138	161	167
77.5	61	72	106	117	122
80.0	45	53	68	77	81
82.5	30	36	42	42	47
85.0	17	18	17	19	21
87.5	7	6	6	6	8
90.0	2	1	1	1	3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	496.85	20.70	26.20
0-40	821.26	34.20	43.40
0-60	1487.36	62.00	78.50
0-90	1894.17	78.90	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	1894.17	78.90	100.00

Total Luminaire Efficiency = 78.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.37
10-20	172.86
20-30	263.62
30-40	324.41
40-50	346.73
50-60	319.37
60-70	244.38
70-80	135.91
80-90	26.52
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

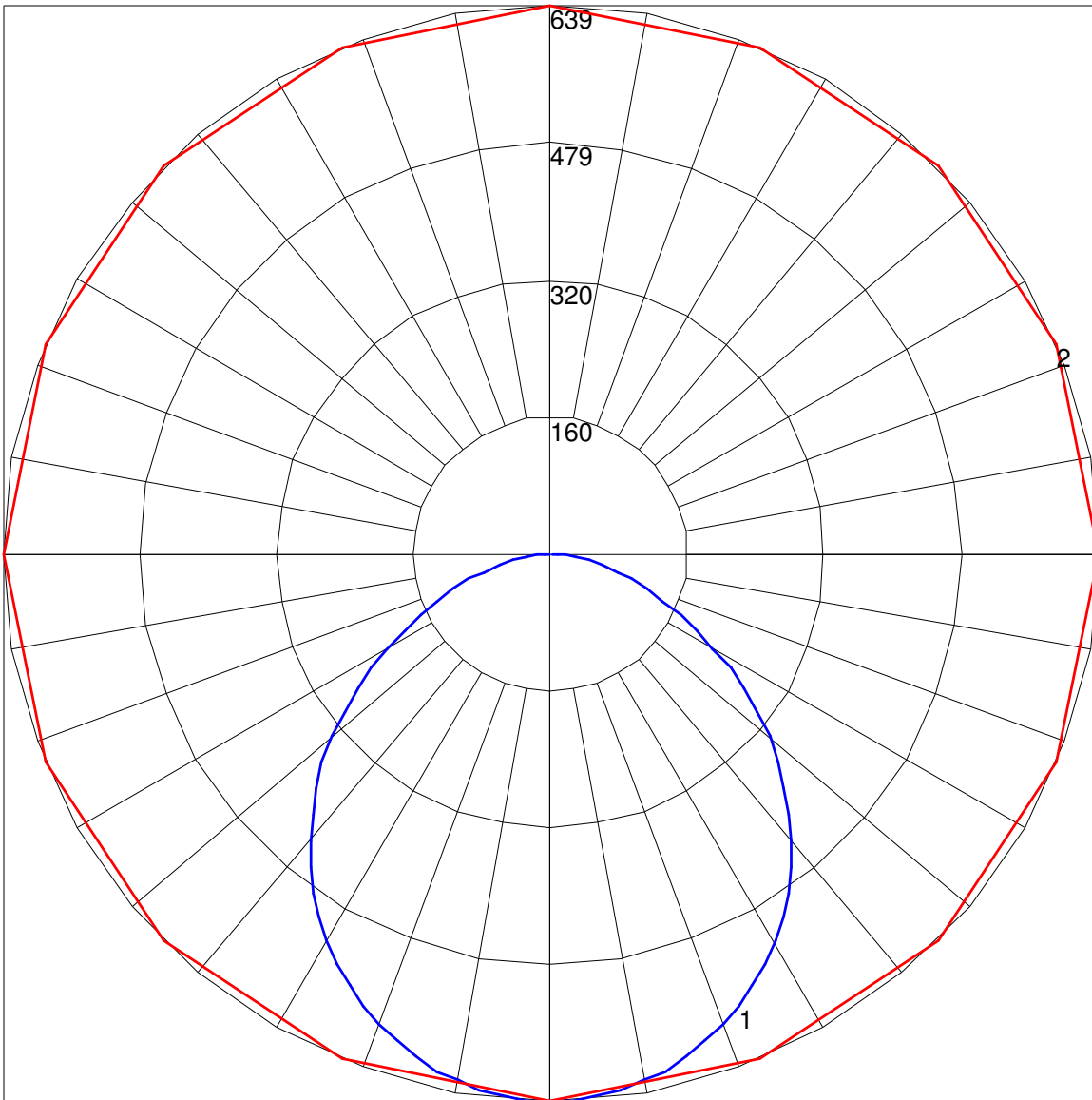
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	94	94	94	94	92	92	92	92	88	88	88	84	84	84	81	81	81	79
1	86	82	79	76	84	80	77	74	77	74	72	74	72	70	71	69	68	66
2	78	71	66	61	76	70	65	61	67	63	59	64	61	58	62	59	56	55
3	71	62	56	51	69	61	55	50	59	54	49	57	52	48	55	51	48	46
4	65	55	48	43	63	54	48	42	52	46	42	50	45	41	49	44	41	39
5	59	49	42	37	58	48	41	36	47	41	36	45	40	36	44	39	35	34
6	55	44	37	32	53	43	37	32	42	36	31	41	35	31	39	35	31	29
7	51	40	33	28	49	39	33	28	38	32	28	37	32	28	36	31	27	26
8	47	36	30	25	46	36	29	25	35	29	25	34	28	25	33	28	24	23
9	44	33	27	22	43	33	27	22	32	26	22	31	26	22	30	25	22	21
10	41	31	24	20	40	30	24	20	30	24	20	29	24	20	28	23	20	19

POLAR GRAPH



Maximum Candela = 639 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.)