



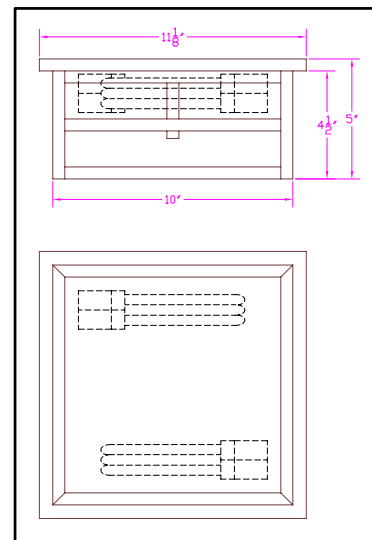
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI080811B.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0808-11B
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 9/24/2008
[MANUFAC] CRYSTAL LIGHTING CORP.
[LUMCAT] CLC- 50
[LUMINAIRE] 11-1/8"SQ. X 5"H. WALL SCONCE
[MORE] WHITE REFLECTOR
[MORE] WHITE DIFFUSED LENS
[BALLASTCAT] FULHAM NPY-120-226-CFL
[BALLAST] 120V 50/60Hz ELECTRONIC
[LAMPPOSITION] 0,0
[LAMPCAT] GE F26DBXT4/SPX27/4P
[_LAMPLUM] 1710
[_INPUT] 120VAC, 28.24W

CHARACTERISTICS

Total Rated Lamp Lumens	3420 (2 lamps)
Total Luminaire Efficiency	36.8 %
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.46
Spacing Criteria (90-270)	1.46
Spacing Criteria (Diagonal)	1.64
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.83 ft
Luminous Width (90-270)	0.83 ft
Luminous Height	0.38 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2665	2533	2665
55	2534	2390	2534
65	2367	2227	2367
75	2138	2030	2138
85	2011	1919	2011

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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	203	203	203	203	203
5	205	205	206	205	205
15	206	207	207	207	206
25	202	205	207	205	202
35	192	197	200	197	192
45	176	184	189	184	176
55	154	164	169	164	154
65	127	138	144	138	127
75	96	108	115	108	96
85	70	83	90	83	70
90	65	78	85	78	65
95	65	78	85	78	65
105	62	74	81	74	62
115	57	66	74	66	57
125	51	57	63	57	51
135	41	43	47	43	41
145	28	28	30	28	28
155	16	14	14	14	16
165	6	5	4	5	6
175	0	0	0	0	0
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	121.13	3.5	9.6
0-40	231	6.8	18.4
0-60	509.81	14.9	40.6
0-90	921.94	27	73.3
90-120	193.65	5.7	15.4
90-130	251.87	7.4	20
90-150	319.37	9.3	25.4
90-180	335.27	9.8	26.7
0-180	1257.21	36.8	100

Total Luminaire Efficiency = 36.8%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.88
10-20	39.18
20-30	77.07
30-40	109.87
40-50	133.67
50-60	145.15
60-70	142.04
70-80	125.3
80-90	144.78
90-100	41.89
100-110	80.49
110-120	71.27
120-130	58.21
130-140	42.16
140-150	25.34
150-160	11.77
160-170	3.65
170-180	.48

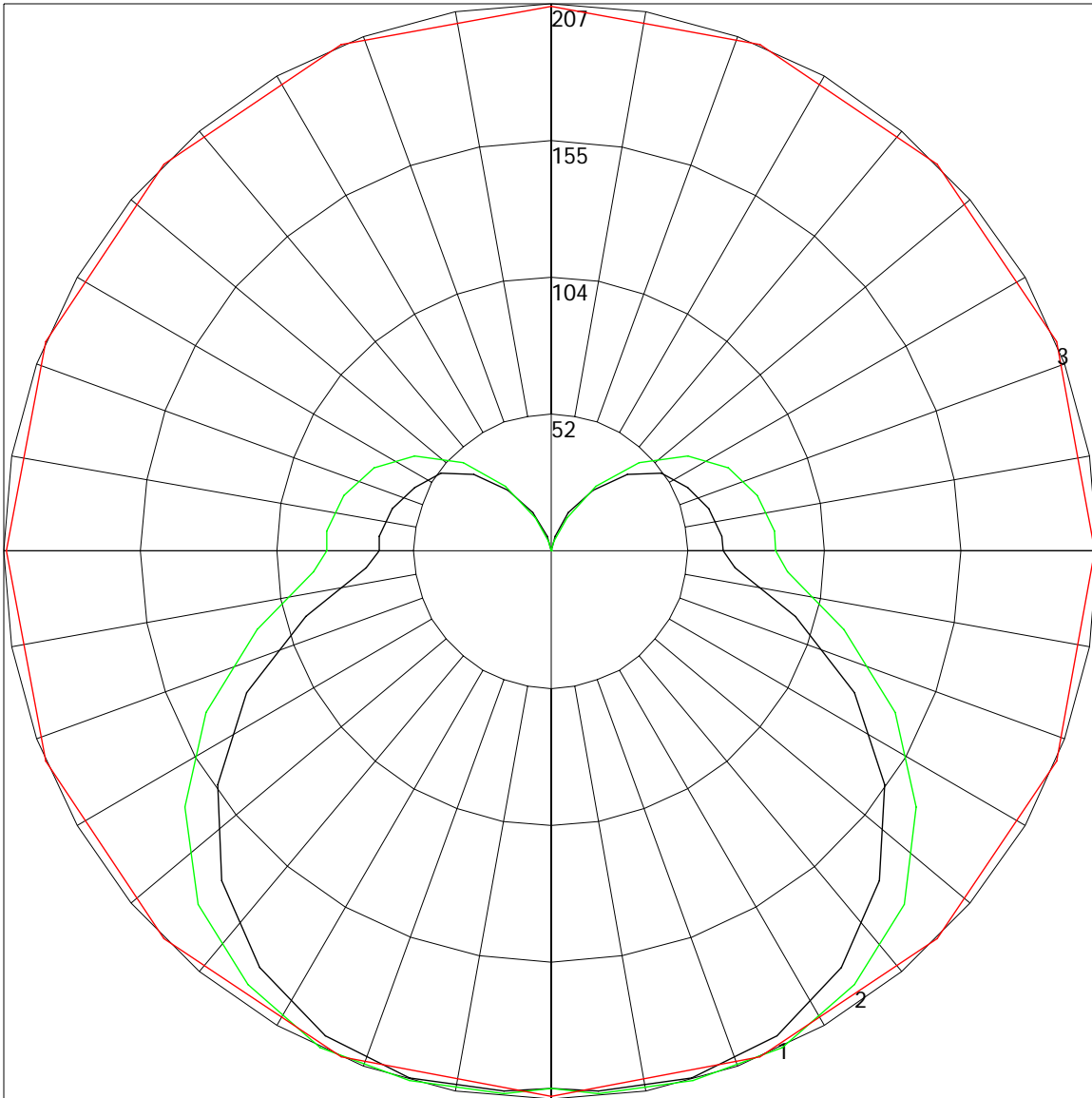
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	41	41	41	41	39	39	39	39	35	35	35	32	32	32	29	29	29	27
1	36	33	31	29	34	32	30	28	28	27	25	25	24	23	22	21	20	19
2	32	28	25	22	30	27	24	21	24	21	19	21	19	17	18	17	16	14
3	29	24	21	18	27	23	20	17	20	18	15	18	16	14	16	14	12	11
4	26	21	17	15	24	20	16	14	18	15	13	16	13	11	14	12	10	9
5	24	18	15	12	22	17	14	12	16	13	11	14	11	10	12	10	9	7
6	22	16	13	10	20	16	12	10	14	11	9	12	10	8	11	9	7	6
7	20	15	11	9	19	14	11	8	12	10	8	11	9	7	10	8	6	5
8	18	13	10	8	17	13	9	7	11	9	7	10	8	6	9	7	5	5
9	17	12	9	7	16	11	8	6	10	8	6	9	7	5	8	6	5	4
10	16	11	8	6	15	10	8	6	9	7	5	8	6	5	7	6	4	4

POLAR GRAPH



Maximum Candela = 207 Located At Horizontal Angle = 22.5, Vertical Angle = 15

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180) : BLACK
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN
- # 3 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.) : RED

NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.