



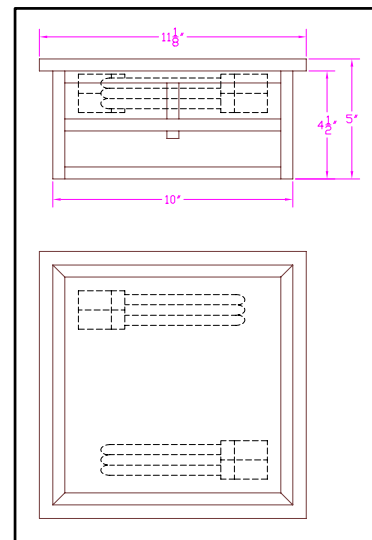
**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LLI080811B.IES**

**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- 20  
[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>
<b>0</b>	203	203	203	203	203
<b>5</b>	205	205	206	205	205
<b>15</b>	206	207	207	207	206
<b>25</b>	202	205	207	205	202
<b>35</b>	192	197	200	197	192
<b>45</b>	176	184	189	184	176
<b>55</b>	154	164	169	164	154
<b>65</b>	127	138	144	138	127
<b>75</b>	96	108	115	108	96
<b>85</b>	70	83	90	83	70
<b>90</b>	65	78	85	78	65
<b>95</b>	65	78	85	78	65
<b>105</b>	62	74	81	74	62
<b>115</b>	57	66	74	66	57
<b>125</b>	51	57	63	57	51
<b>135</b>	41	43	47	43	41
<b>145</b>	28	28	30	28	28
<b>155</b>	16	14	14	14	16
<b>165</b>	6	5	4	5	6
<b>175</b>	0	0	0	0	0
<b>180</b>	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

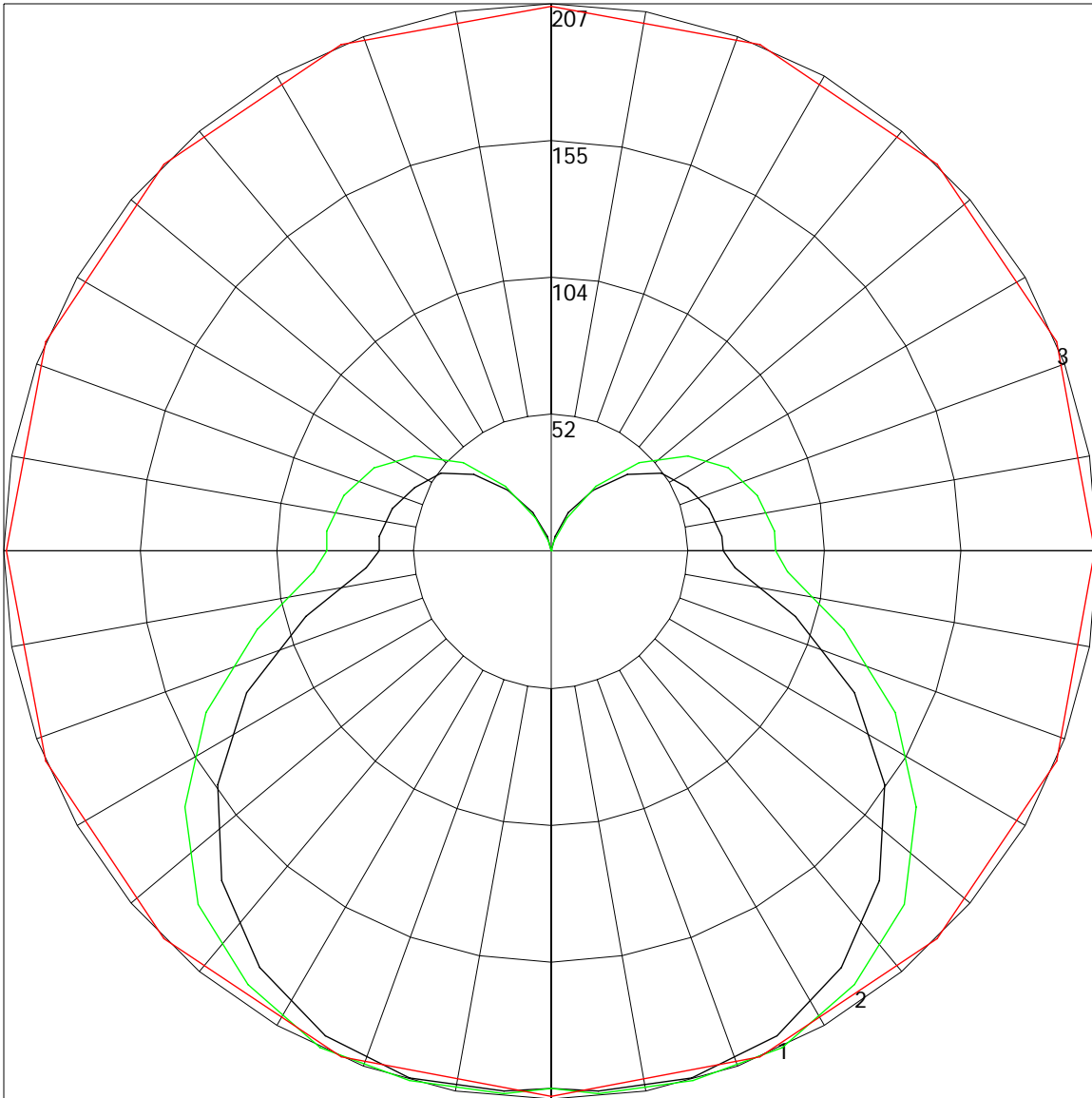
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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.