



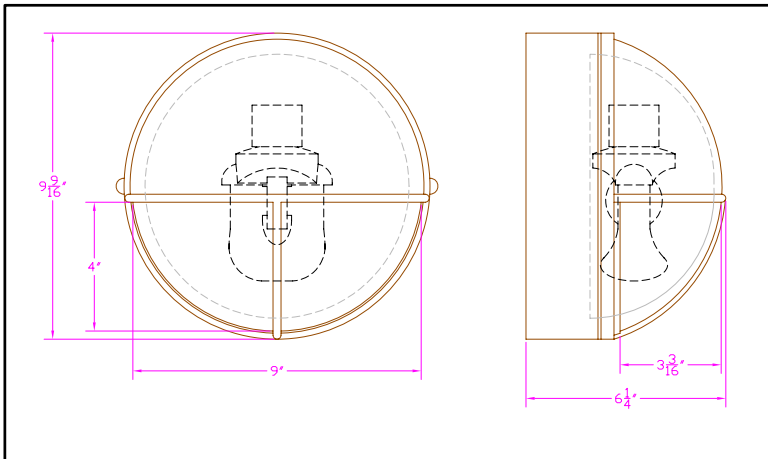
**IES ROAD REPORT
PHOTOMETRIC FILENAME : LLI090704A.IES**

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0907-04A
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 9/7/2007
[MANUFAC] CRYSTAL LIGHTING CORP.
[LUMCAT] CLW-3080-23
[LUMINAIRE] 9-9/16"DIA. X 6-1/4"D. WALL MOUNT FIXTURE
[MORE] CHROME REFLECTOR
[MORE] FROSTED GLASS LENS
[BALLASTCAT] SATURN IC HYI-LX-23W-EB
[BALLAST] 120V 60Hz ELECTRONIC
[LAMPPOSITION] 0,0
[LAMPCAT] 23W INDUCTION LAMP
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 26.16W

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Cutoff Classification	N.A.
Total Rated Lamp Lumens	N.A. (absolute photometry)
Maximum Candela	173
Maximum Candela Angle	0H 55V
Maximum Candela At 90 Degrees Vertical	130
Maximum Candela At 80 Degrees Vertical	150
Downward Total Efficiency	N.A.



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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0	73	73	73	73	73	73	73	73	73	73
5	92	90	90	89	87	86	84	82	80	78
15	113	112	111	109	107	104	100	95	90	84
25	127	126	125	122	120	116	112	106	98	89
35	147	146	143	137	130	124	119	113	104	92
45	165	164	161	154	144	132	122	115	106	93
55	173	172	171	166	156	141	125	113	102	89
60	172	172	171	167	157	142	124	109	96	82
62.5	171	170	170	166	157	141	123	107	93	79
65	168	168	168	164	156	141	123	105	91	77
67.5	164	165	165	162	155	141	122	104	90	75
70	161	162	162	160	153	140	122	103	88	74
72.5	158	158	159	158	152	139	121	103	88	73
75	155	155	157	156	150	138	121	102	87	71
77.5	151	152	154	153	148	137	119	101	85	70
80	146	147	150	150	145	134	117	98	83	67
82.5	141	142	145	146	141	131	115	96	80	65
85	135	136	139	141	137	128	112	93	78	63
87.5	129	129	133	136	132	123	108	90	75	60
90	122	123	127	130	127	118	104	87	71	57
95	109	110	113	116	114	107	94	78	64	51
105	83	84	85	85	84	78	69	57	47	36
115	58	58	57	55	53	49	42	35	30	22
125	36	36	34	32	30	26	22	17	14	11
135	19	19	18	16	14	11	9	7	5	4
145	7	7	7	5	4	3	2	1	1	1
155	1	1	1	1	1	1	1	1	1	1
165	1	1	1	1	1	1	1	1	1	1
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>	<u>175</u>
0	73	73	73	73	73	73	73	73	73	73
5	77	76	73	71	70	68	67	66	66	66
15	81	78	72	66	61	56	52	50	48	47
25	84	79	68	58	49	41	35	31	29	27
35	86	78	63	48	37	30	21	16	14	13
45	84	75	56	38	29	16	12	8	6	5
55	80	70	48	35	16	11	7	4	3	2
60	73	64	44	31	14	10	6	3	2	2
62.5	71	61	46	25	13	9	5	3	2	2
65	69	59	44	24	12	8	4	2	2	2
67.5	67	57	42	22	11	7	4	2	2	2
70	65	55	41	21	10	7	3	2	2	2
72.5	64	54	39	17	11	6	3	2	2	2
75	62	53	38	16	11	6	3	2	2	2
77.5	61	51	36	15	10	5	2	2	2	2
80	59	49	35	14	9	5	2	2	2	2
82.5	56	47	33	13	8	4	2	2	2	2
85	54	45	31	12	7	4	2	2	2	2
87.5	52	46	25	11	7	3	1	1	1	1

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CANDELA TABULATION - (Cont.)

90	49	44	23	10	6	3	1	1	1	1
95	43	39	17	10	5	2	1	1	1	1
105	33	25	12	7	3	2	1	1	1	1
115	19	13	9	4	2	1	1	1	1	1
125	9	8	5	2	1	1	1	1	1	1
135	4	3	2	1	1	1	1	1	1	1
145	1	1	1	1	1	1	1	1	1	1
155	1	1	1	1	1	1	1	1	1	1
165	1	1	1	1	1	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
 Angles

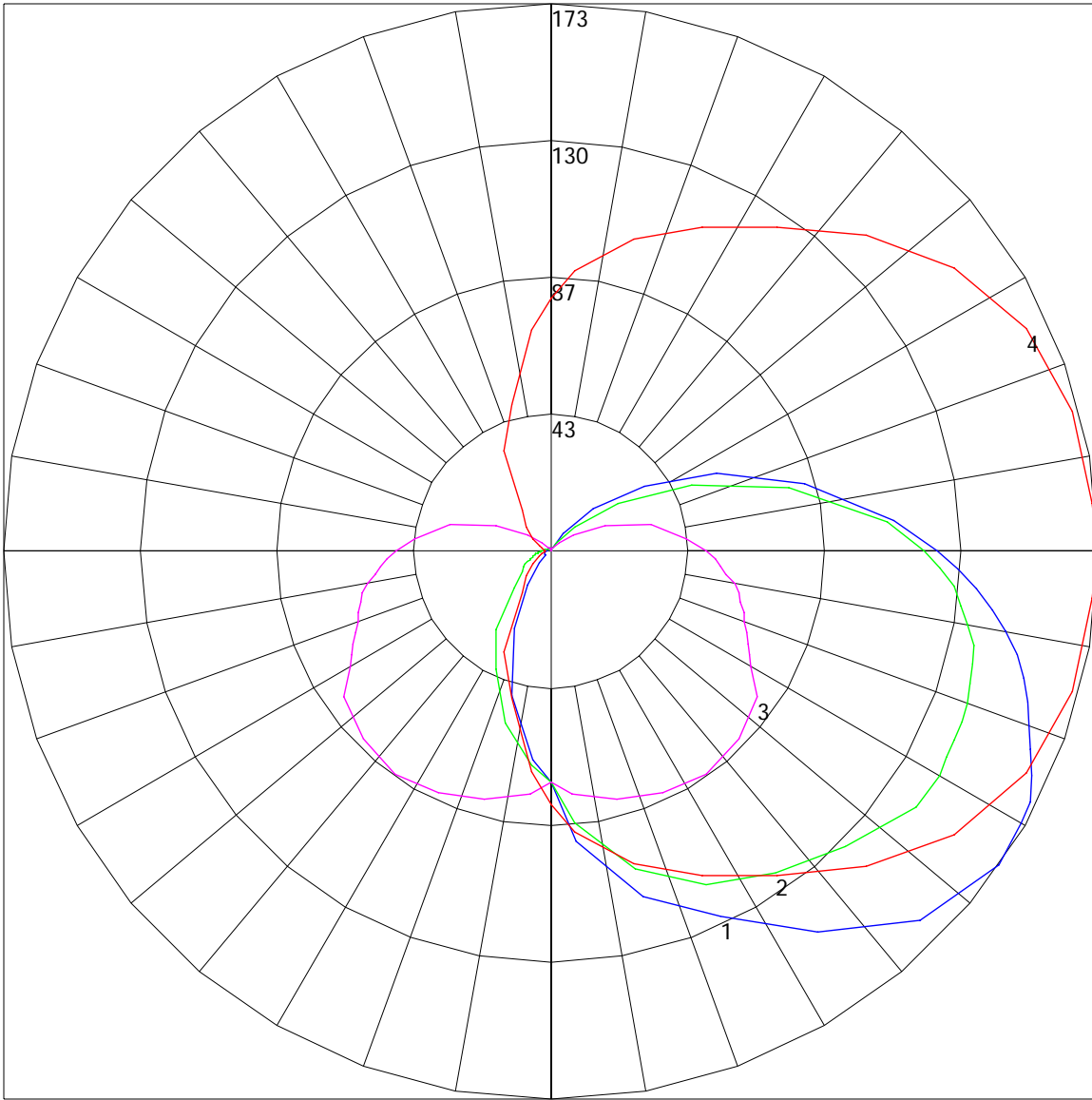
	<u>180</u>
0	73
5	66
15	47
25	27
35	13
45	5
55	2
60	2
62.5	2
65	2
67.5	2
70	2
72.5	2
75	2
77.5	2
80	2
82.5	2
85	2
87.5	1
90	1
95	1
105	1
115	1
125	1
135	1
145	1
155	1
165	0
175	0
180	0

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FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	388.8	N.A.
Downward House Side	77.6	N.A.
Downward Total	466.4	N.A.
Upward Street Side	127.9	N.A.
Upward House Side	12.2	N.A.
Upward Total	140.1	N.A.
Total Flux	606.5	N.A.

POLAR GRAPH



Maximum Candela = 173 Located At Horizontal Angle = 0, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN
3 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
4 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.) : RED

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

