



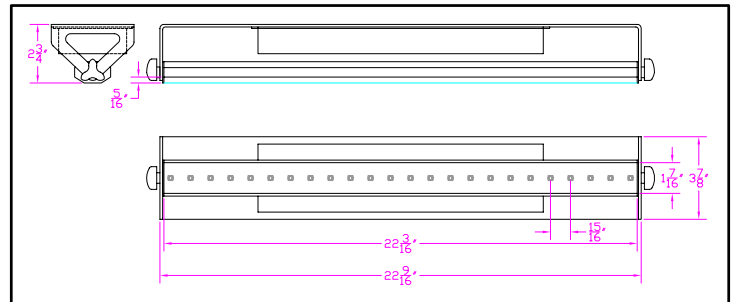
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707J.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0706-07J
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 6/28/2007
[MANUFAC] J&J ELECTRONIC, INC.
[LUMCAT] LLS-PPL575-120-RED
[LUMINAIRE] 22-9/16"L. X 3-7/8"W. X 2-3/4"H. POWERPLUS L575 WIDE ANGLE WASH LIGHT
[MORE] 6 RED, 6 GREEN, 6 BLUE, 6 WHITE LEDS. ONLY 6 RED LEDS ON
[MORE] ACRYLIC CLEAR LENS
[_CONTROLLER] LEVITON N3004-00D 4CH. DMX CONSOLE
[LAMPPOSITION] 0,0
[LAMPCAT] RED LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 8.150W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
CIE Type	Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.32
Spacing Criteria (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.03 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1371	1449	1716
55	1233	1305	1648
65	1010	1057	1307
75	655	634	893
85	196	213	333

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707J.IES

CANDELA TABULATION

	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	35.21	35.21	35.21	35.21	35.21
5	35.24	35.29	35.41	35.43	35.41
15	34.49	34.49	34.36	34.46	34.5
25	32.51	32.61	32.58	32.56	32.67
35	29.37	29.33	29.46	29.41	29.56
45	25.02	25.17	25.14	25.52	25.45
55	19.82	19.72	19.61	19.94	19.97
65	13.53	13.3	12.95	11.92	11.8
75	6.76	6.56	5.77	5.35	5.06
85	1.36	1.38	1.21	1	0.71
90	0.24	0.29	0.3	0.27	0.17
95	0.2	0.23	0.24	0.19	0.15
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707J.IES

ZONAL LUMEN SUMMARY

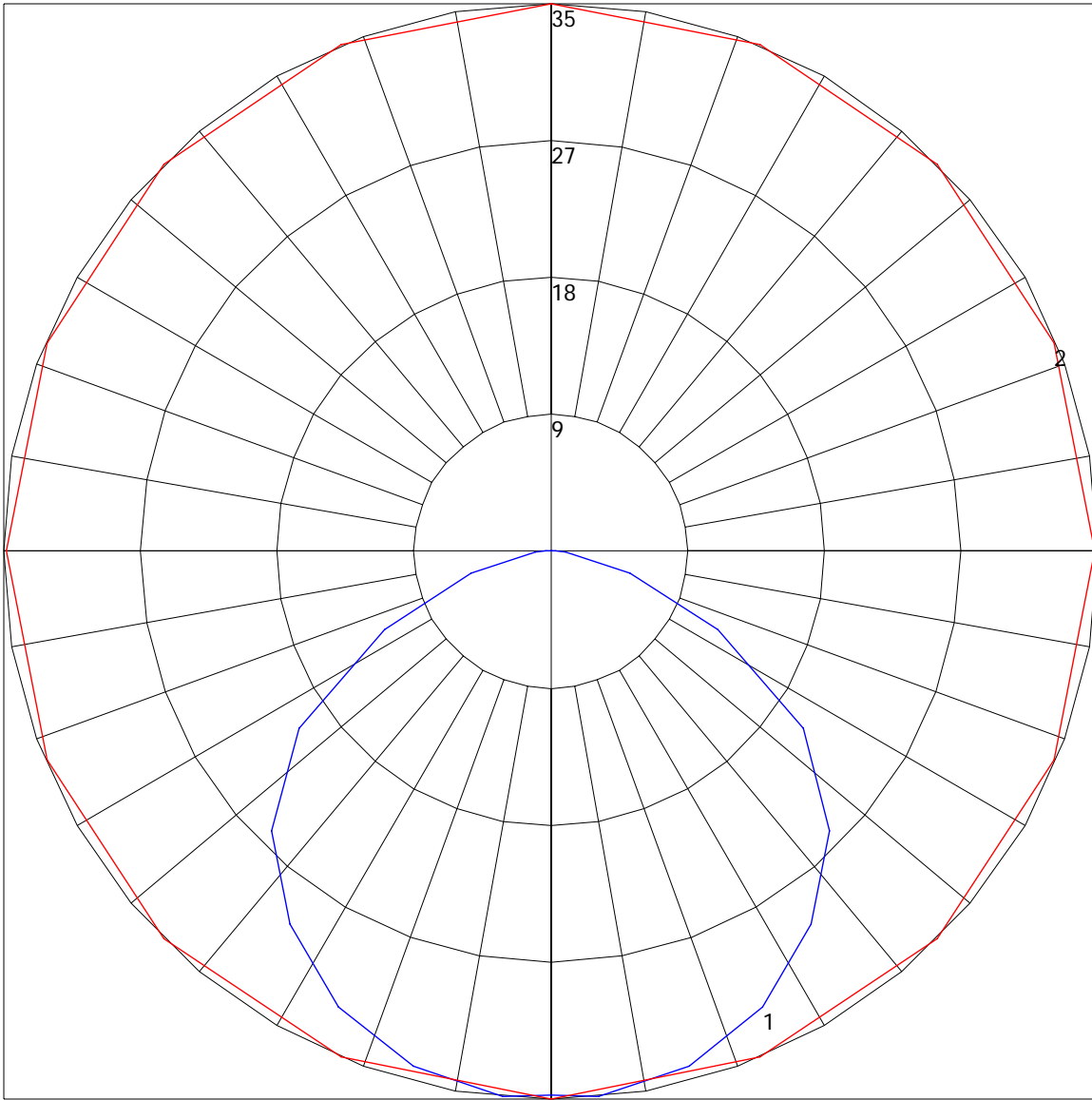
Zone	Lumens	%Lamp	%Fixt
0-30	20.04	N.A.	19.2
0-40	37.01	N.A.	35.4
0-60	75.16	N.A.	71.9
0-90	104.35	N.A.	99.8
90-120	.24	N.A.	.2
90-130	.24	N.A.	.2
90-150	.24	N.A.	.2
90-180	.24	N.A.	.2
0-180	104.59	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	.84
10-20	6.64
20-30	12.56
30-40	16.98
40-50	19.25
50-60	18.9
60-70	15.41
70-80	9.57
80-90	4.19
90-100	.13
100-110	.11
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

POLAR GRAPH



Maximum Candela = 35.43 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



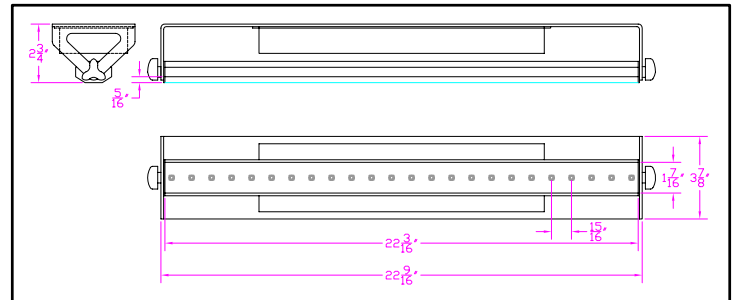
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707K.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0706-07K
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 6/28/2007
[MANUFAC] J&J ELECTRONIC, INC.
[LUMCAT] LLS-PPL575-120-GREEN
[LUMINAIRE] 22-9/16"L. X 3-7/8"W. X 2-3/4"H. POWERPLUS L575 WIDE ANGLE WASH LIGHT
[MORE] 6 RED, 6 GREEN, 6 BLUE, 6 WHITE LEDS. ONLY 6 GREEN LEDS ON
[MORE] ACRYLIC CLEAR LENS
[_CONTROLLER] LEVITON N3004-00D 4CH. DMX CONSOLE
[LAMPPOSITION] 0,0
[LAMPCAT] GREEN LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 8.163W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
CIE Type	Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.32
Spacing Criteria (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.03 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3470	3659	4368
55	3089	3276	4127
65	2439	2579	3534
75	1522	1700	2349
85	490	511	703

**IES INDOOR REPORT
 PHOTOMETRIC FILENAME : LLI060707K.IES**

CANDELA TABULATION

	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	89.86	89.86	89.86	89.86	89.86
5	89.75	89.87	90.22	90.02	89.49
15	88.12	87.98	87.18	87.86	88.21
25	82.65	82.75	82.69	82.64	83.07
35	75.08	74.6	75.16	75.29	75.82
45	63.31	63.48	63.47	64.73	64.79
55	49.64	49.8	49.22	50.2	50
65	32.69	32.05	31.58	31	31.9
75	15.72	15.76	15.46	13.95	13.31
85	3.4	3.29	2.9	2.37	1.5
90	0.61	0.6	0.61	0.52	0.34
95	0.44	0.46	0.46	0.37	0.33
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707K.IES

ZONAL LUMEN SUMMARY

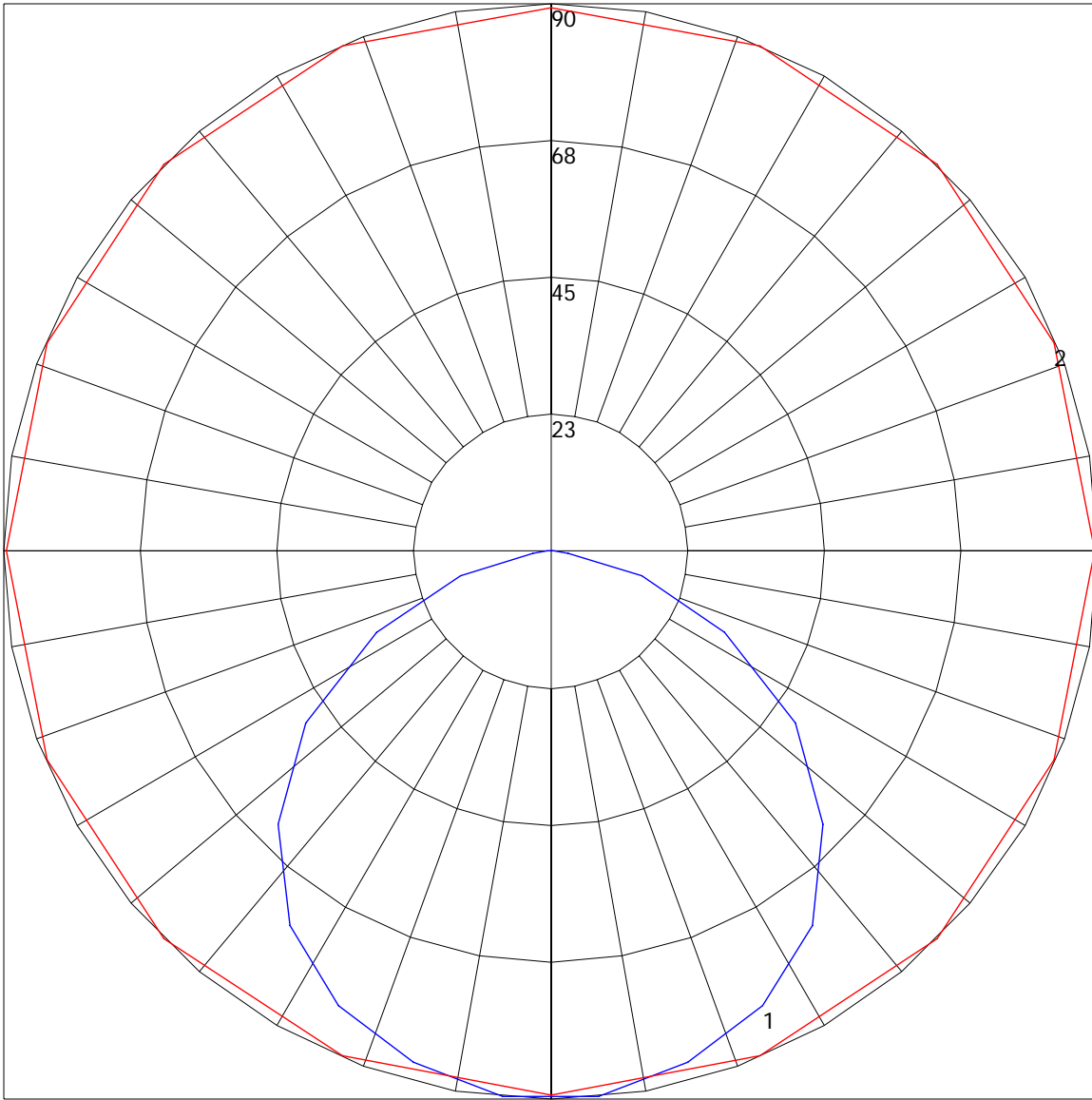
Zone	Lumens	%Lamp	%Fixt
0-30	50.99	N.A.	19.3
0-40	94.21	N.A.	35.6
0-60	190.86	N.A.	72.2
0-90	263.95	N.A.	99.8
90-120	.49	N.A.	.2
90-130	.49	N.A.	.2
90-150	.49	N.A.	.2
90-180	.49	N.A.	.2
0-180	264.44	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.15
10-20	16.9
20-30	31.94
30-40	43.22
40-50	48.95
50-60	47.69
60-70	38.65
70-80	24.01
80-90	10.44
90-100	.27
100-110	.23
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

POLAR GRAPH



Maximum Candela = 90.22 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



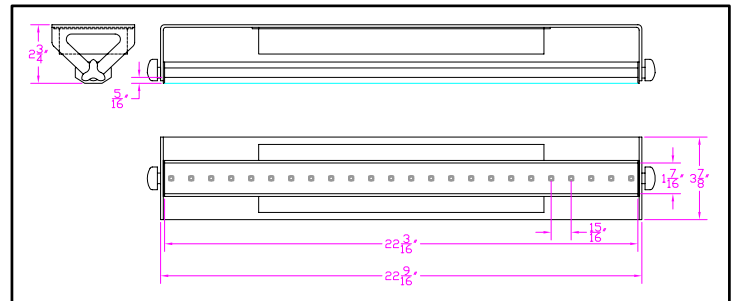
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707L.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0706-07L
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 6/28/2007
 [MANUFAC] J&J ELECTRONIC, INC.
 [LUMCAT] LLS-PPL575-120-BLUE
 [LUMINAIRE] 22-9/16"L. X 3-7/8"W. X 2-3/4"H. POWERPLUS L575 WIDE ANGLE WASH LIGHT
 [MORE] 6 RED, 6 GREEN, 6 BLUE, 6 WHITE LEDS. ONLY 6 BLUE LEDS ON
 [MORE] ACRYLIC CLEAR LENS
 [_CONTROLLER] LEVITON N3004-00D 4CH. DMX CONSOLE
 [LAMPPOSITION] 0,0
 [LAMPCAT] BLUE LED
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 120VAC, 8.152W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
CIE Type	Direct
Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	1.32
Spacing Criteria (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.03 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	641	675	812
55	568	605	763
65	460	489	649
75	298	308	416
85	88	99	136

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707L.IES

CANDELA TABULATION

	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	16.88	16.88	16.88	16.88	16.88
5	16.87	16.87	16.97	16.93	16.83
15	16.56	16.45	16.37	16.43	16.58
25	15.38	15.44	15.44	15.41	15.51
35	13.93	13.85	13.94	14	14.14
45	11.69	11.7	11.71	11.97	12.04
55	9.12	9.13	9.09	9.27	9.24
65	6.17	6.03	5.99	5.8	5.86
75	3.08	2.98	2.8	2.57	2.36
85	0.61	0.6	0.56	0.46	0.29
90	0.13	0.13	0.13	0.12	0.08
95	0.1	0.11	0.1	0.08	0.08
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707L.IES

ZONAL LUMEN SUMMARY

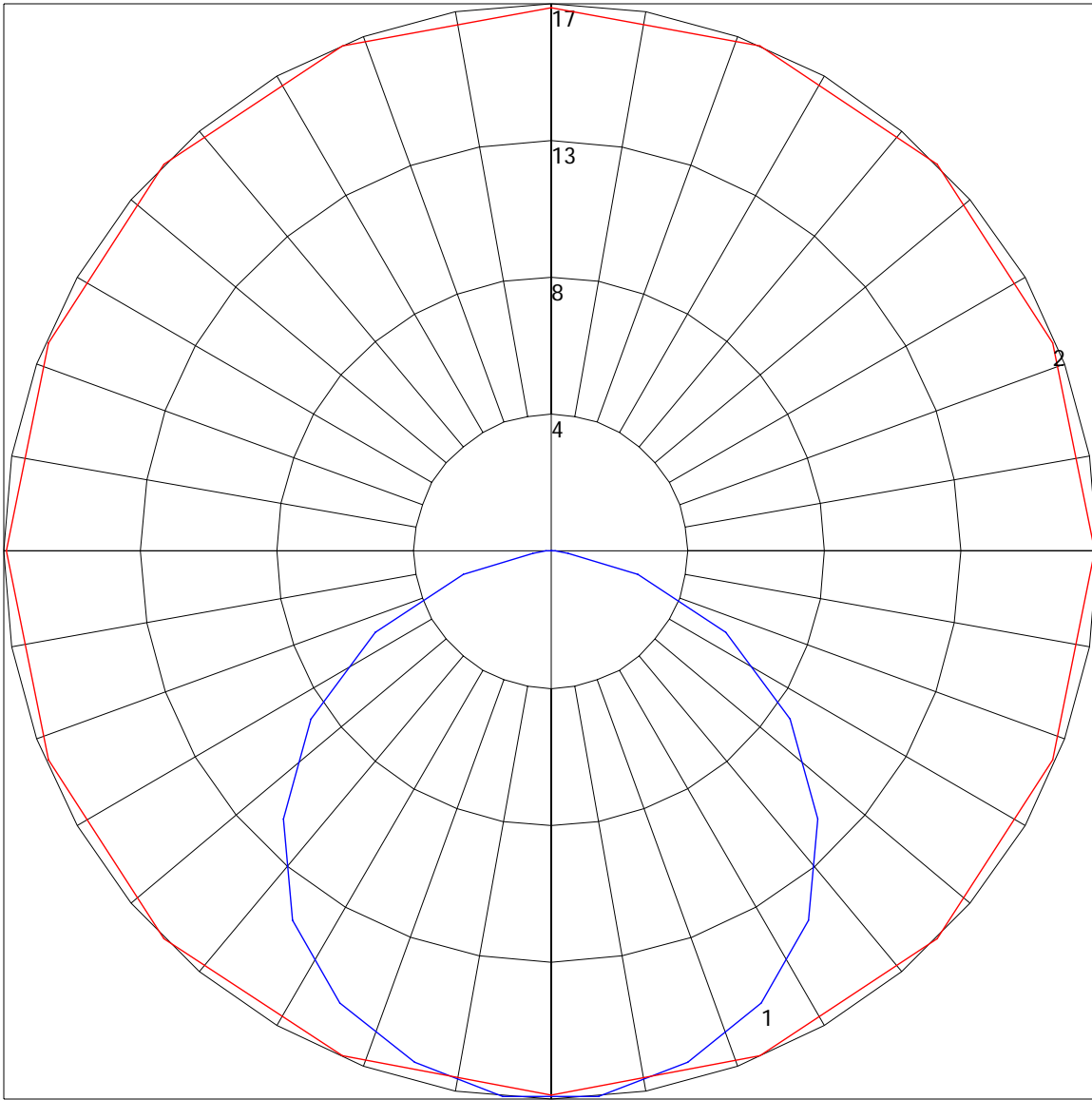
Zone	Lumens	%Lamp	%Fixt
0-30	9.55	N.A.	19.4
0-40	17.6	N.A.	35.8
0-60	35.47	N.A.	72.1
0-90	49.08	N.A.	99.8
90-120	.11	N.A.	.2
90-130	.11	N.A.	.2
90-150	.11	N.A.	.2
90-180	.11	N.A.	.2
0-180	49.19	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	.4
10-20	3.17
20-30	5.97
30-40	8.05
40-50	9.07
50-60	8.8
60-70	7.17
70-80	4.49
80-90	1.95
90-100	.06
100-110	.05
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

POLAR GRAPH



Maximum Candela = 16.97 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



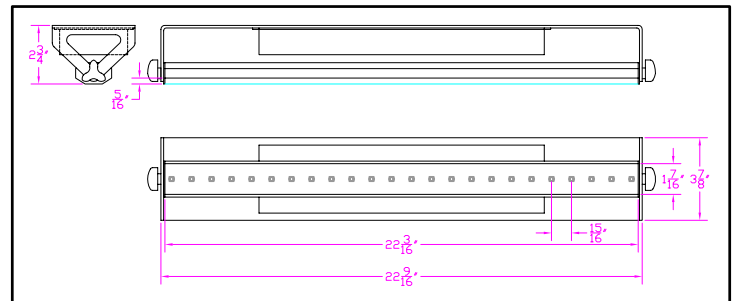
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707M.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0706-07M
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 6/28/2007
 [MANUFAC] J&J ELECTRONIC, INC.
 [LUMCAT] LLS-PPL575-120-WHITE
 [LUMINAIRE] 22-9/16"L. X 3-7/8"W. X 2-3/4"H. POWERPLUS L575 WIDE ANGLE WASH LIGHT
 [MORE] 6 RED, 6 GREEN, 6 BLUE, 6 WHITE LEDS. ONLY 6 WHITE LEDS ON
 [MORE] ACRYLIC CLEAR LENS
 [_CONTROLLER] LEVITON N3004-00D 4CH. DMX CONSOLE
 [LAMPPOSITION] 0,0
 [LAMPCAT] WHITE LED
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 120VAC, 8.160W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
CIE Type	Direct
Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	1.30
Spacing Criteria (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.03 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3485	3693	4403
55	3110	3300	4200
65	2538	2670	3340
75	1645	1612	2300
85	504	531	816

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707M.IES

CANDELA TABULATION

	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	92.61	92.61	92.61	92.61	92.61
5	92.68	92.79	92.95	93.24	93.2
15	90.22	89.9	89.77	90.3	90.17
25	84.24	84.46	84.45	84.6	84.76
35	75.52	75.44	76.1	75.92	76.52
45	63.59	64	64.05	65.38	65.32
55	49.97	49.74	49.58	51.09	50.88
65	34.02	33.42	32.7	30.4	30.15
75	16.99	16.58	14.66	13.87	13.03
85	3.5	3.53	3.01	2.54	1.74
90	0.61	0.71	0.75	0.68	0.37
95	0.48	0.55	0.57	0.44	0.34
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060707M.IES

ZONAL LUMEN SUMMARY

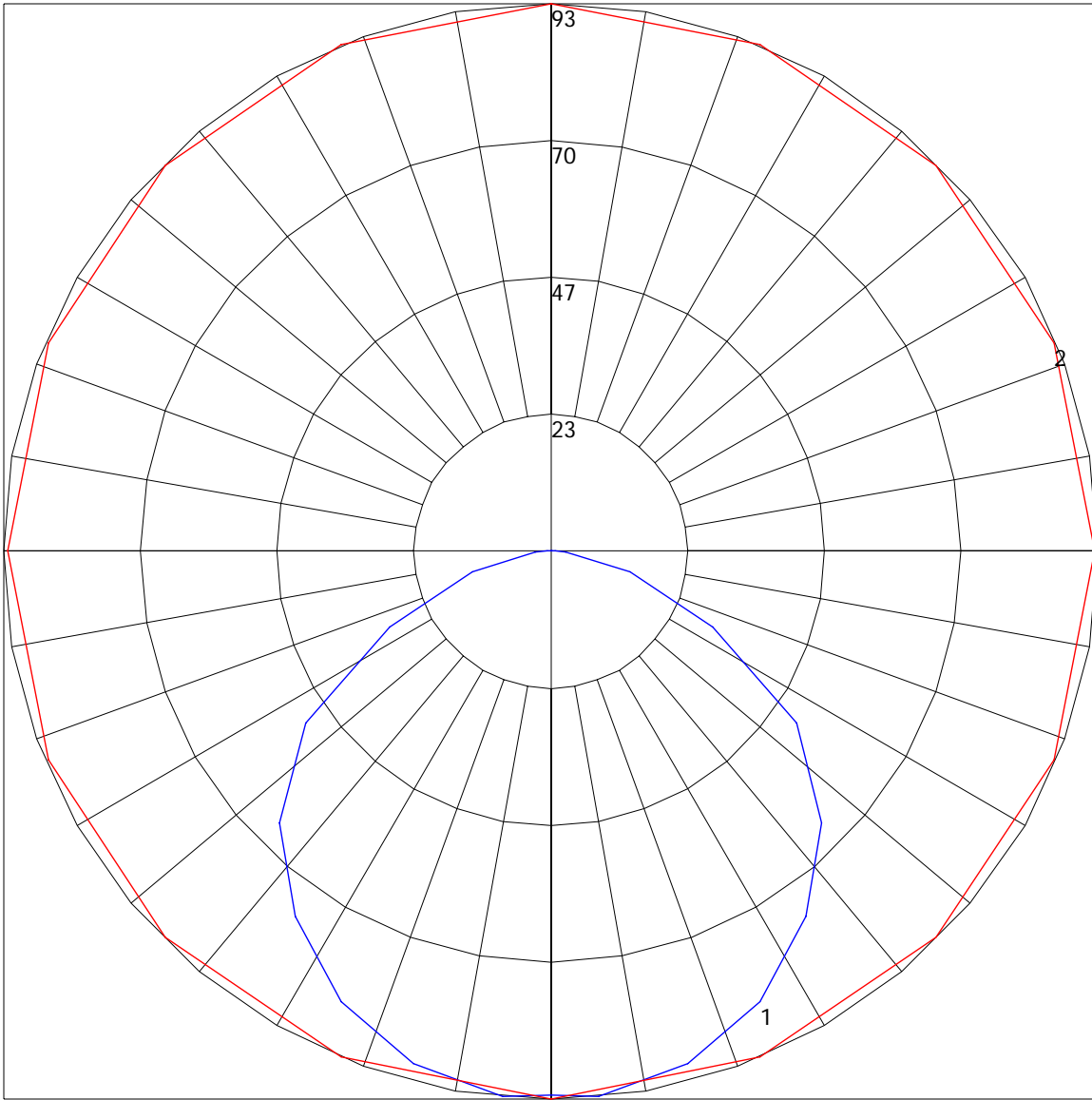
Zone	Lumens	%Lamp	%Fixt
0-30	52.31	N.A.	19.5
0-40	96.23	N.A.	35.9
0-60	193.73	N.A.	72.2
0-90	267.74	N.A.	99.8
90-120	.58	N.A.	.2
90-130	.58	N.A.	.2
90-150	.58	N.A.	.2
90-180	.58	N.A.	.2
0-180	268.32	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.22
10-20	17.4
20-30	32.69
30-40	43.91
40-50	49.4
50-60	48.11
60-70	39.06
70-80	24.28
80-90	10.66
90-100	.31
100-110	.27
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

POLAR GRAPH



Maximum Candela = 93.24 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)