

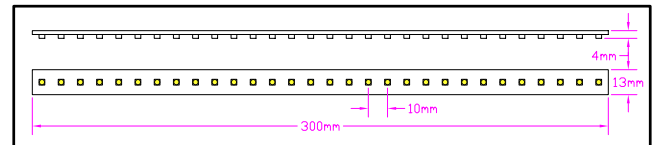
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060903C.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0609-03C
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 6/10/2009
 [MANUFAC] ATEX AMERICA, INC.
 [LUMCAT] BLA1-03W5W-01
 [LUMINAIRE] 300mm L. X 13mm W. X 4mm H. LED BOARD
 [MORE] 10mm SPACING, 30 COOL WHITE LEDS
 [LAMPPOSITION] 0,0
 [LAMPCAT] COOL WHITE LED
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 24VDC, 4.05W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	N.A.
Total Luminaire Watts	4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.48
Spacing Criteria (90-270)	1.48
Spacing Criteria (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.96 ft
Luminous Width (90-270)	0.01 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	68912	68912	68120
55	64449	64449	64449
65	55663	55663	55663
75	43281	43281	43281
85	25706	25706	25706

IES INDOOR REPORT
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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	53	53	53	53	53
1.0	55	55	55	55	56
3.0	58	58	58	58	59
5.0	61	61	61	61	61
7.0	63	63	63	63	63
9.0	64	64	64	64	64
11.0	65	65	65	65	64
13.0	65	65	65	65	64
15.0	64	64	64	64	64
17.0	64	64	64	64	63
19.5	62	63	62	63	63
22.5	61	61	61	61	61
25.5	59	59	59	59	59
29.0	57	57	57	57	57
33.0	54	54	54	54	54
37.5	50	50	50	50	50
42.5	46	46	46	46	45
47.5	41	41	41	41	41
55.0	33	33	33	33	33
65.0	21	21	21	22	21
75.0	10	10	10	10	10
85.0	2	2	2	2	2
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060903C.IES

ZONAL LUMEN SUMMARY

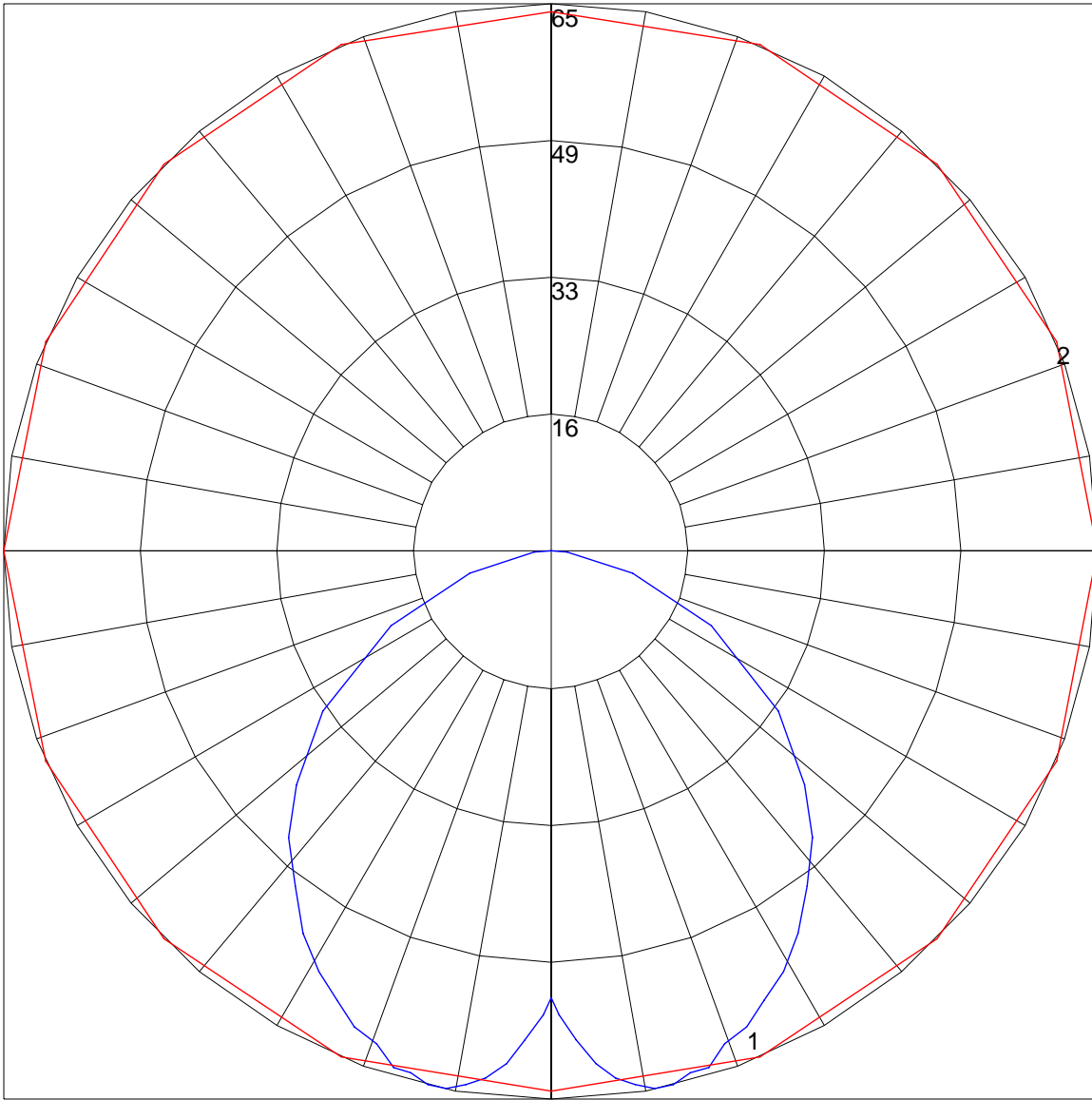
Zone	Lumens	%Lamp	%Fixt
0-30	48.39	N.A.	26.6
0-40	75.73	N.A.	41.6
0-60	133.17	N.A.	73.2
0-90	182	N.A.	100
90-120	0	N.A.	0
90-130	0	N.A.	0
90-150	0	N.A.	0
90-180	0	N.A.	0
0-180	182	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.76
10-20	18.13
20-30	25.51
30-40	27.34
40-50	33.73
50-60	23.72
60-70	25.73
70-80	16.08
80-90	7.02
90-100	0
100-110	0
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 = 65 Located At Horizontal Angle = 0, Vertical Angle = 11
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (11) (Through Max. Cd.)

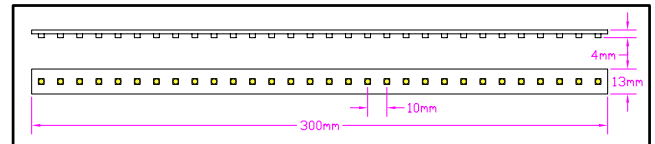
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060903D.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0609-03D
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 6/10/2009
 [MANUFAC] ATEX AMERICA, INC.
 [LUMCAT] BLA1-03W5L-01
 [LUMINAIRE] 300mm L. X 13mm W. X 4mm H. LED BOARD
 [MORE] 10mm SPACING, 30 WARM WHITE LEDS
 [LAMPPOSITION] 0,0
 [LAMPCAT] WARM WHITE LED
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 24VDC, 2.70W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	N.A.
Total Luminaire Watts	3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.50
Spacing Criteria (90-270)	1.50
Spacing Criteria (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.96 ft
Luminous Width (90-270)	0.01 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32476	32476	32476
55	29295	29295	31248
65	26506	26506	26506
75	21640	21640	21640
85	12853	12853	12853

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	25	25	25	25	25
1.0	26	26	26	26	26
3.0	28	28	28	28	28
5.0	29	29	29	29	29
7.0	30	30	30	30	30
9.0	30	30	30	30	30
11.0	31	31	31	31	30
13.0	31	31	31	31	30
15.0	30	30	30	30	30
17.0	30	30	30	30	30
19.5	30	30	30	30	30
22.5	29	29	29	29	29
25.5	28	28	28	28	28
29.0	27	27	27	27	27
33.0	26	25	25	25	25
37.5	24	24	24	24	24
42.5	22	22	22	22	21
47.5	19	19	19	19	20
55.0	15	15	15	16	16
65.0	10	10	10	10	10
75.0	5	5	5	5	5
85.0	1	1	1	1	1
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060903D.IES

ZONAL LUMEN SUMMARY

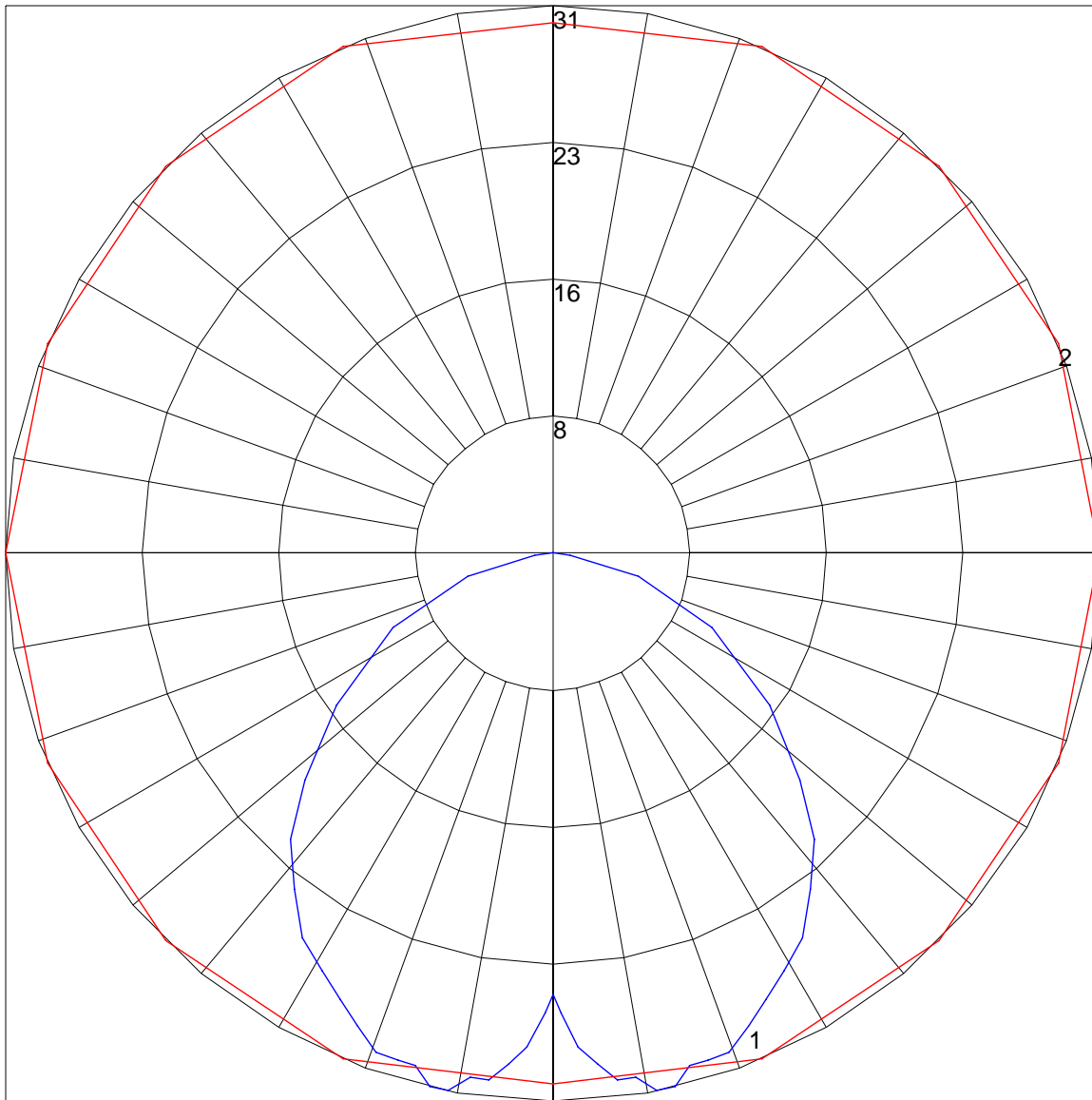
Zone	Lumens	%Lamp	%Fixt
0-30	22.95	N.A.	26.6
0-40	35.83	N.A.	41.6
0-60	62.92	N.A.	73
0-90	86.18	N.A.	100
90-120	0	N.A.	0
90-130	0	N.A.	0
90-150	0	N.A.	0
90-180	0	N.A.	0
0-180	86.18	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.26
10-20	8.57
20-30	12.12
30-40	12.88
40-50	16.03
50-60	11.06
60-70	12.03
70-80	7.72
80-90	3.51
90-100	0
100-110	0
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 = 31 Located At Horizontal Angle = 0, Vertical Angle = 11
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (11) (Through Max. Cd.)