



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI120801A.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 1208-01A
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 12/17/2008
[MANUFAC] ATEX
[LUMCAT] SP10-96C1W-11
[LUMINAIRE] 1000MM L. X 10MM W. X 10MM H. FLEXIBLE CHANNEL
[MORE] 96 COOL WHITE LEDS WITH COVERED IN SILICONE DIFFUSER
[LAMPPOSITION] 0,90
[LAMPCAT] COOL WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 12VDC, 3.92W

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)	0.82
Spacing Criteria (90-270)	0.82
Spacing Criteria (Diagonal)	0.86
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.17 ft
Luminous Width (90-270)	0.03 ft
Luminous Height	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4594	2986	2479
55	1945	1953	1624
65	1573	1374	1106
75	1688	1073	831
85	2342	992	731

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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	202	202	202	202	202
5	208	207	202	194	192
15	171	172	171	165	163
25	111	112	113	113	113
35	56	57	58	59	58
45	29	31	32	32	31
55	10	19	20	20	20
65	6	11	13	13	13
75	4	7	9	9	9
85	2	5	7	7	7
90	0	4	6	6	6
95	0	3	6	6	6
105	0	3	5	5	5
115	0	2	4	5	5
125	0	2	4	4	4
135	0	1	3	3	3
145	0	1	2	2	2
155	0	1	1	1	1
165	1	1	1	1	1
175	1	1	1	1	1
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

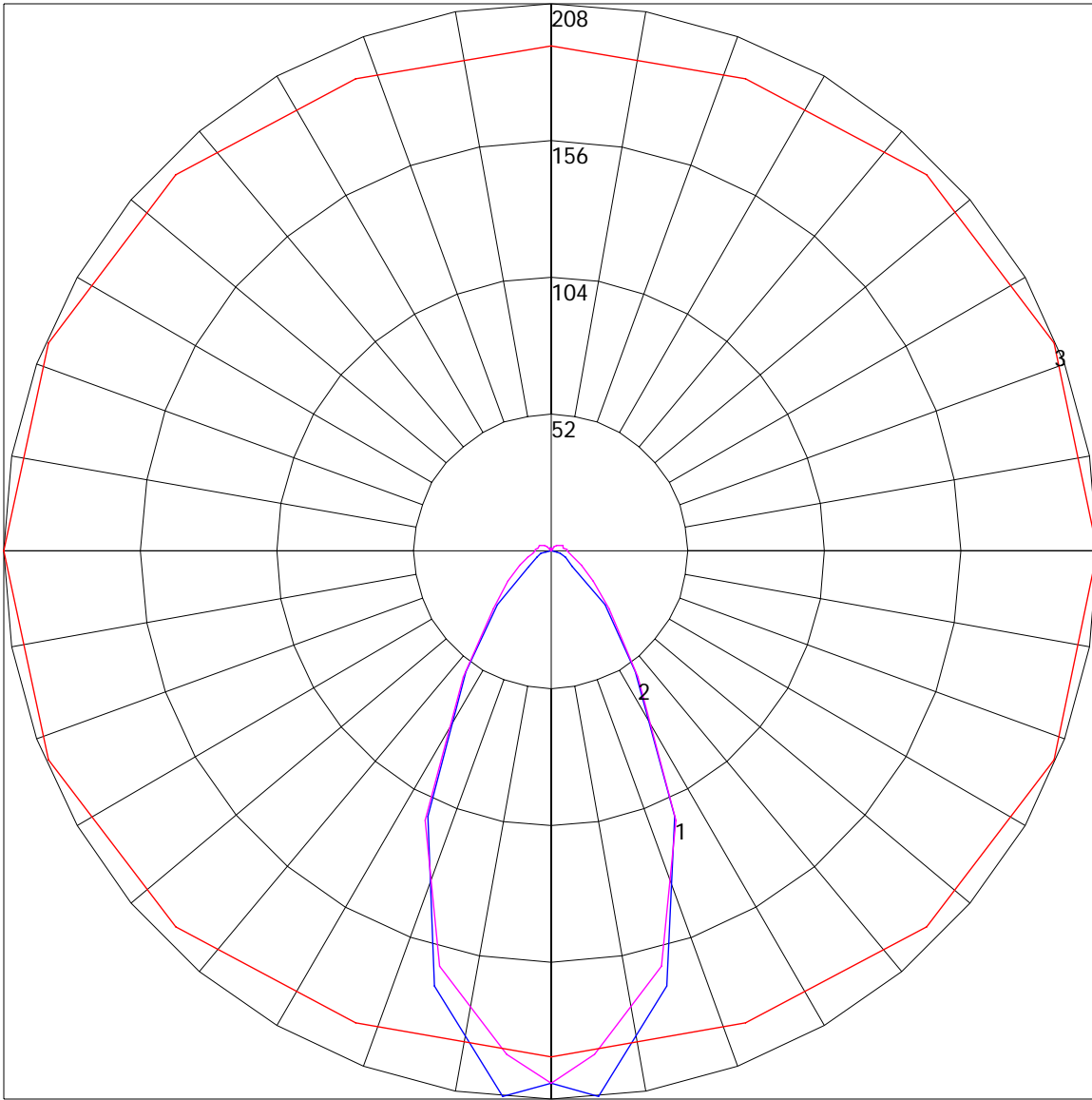
Zone	Lumens	%Lamp	%Fixt
0-30	92.63	N.A.	37.9
0-40	139.24	N.A.	56.9
0-60	191.44	N.A.	78.3
0-90	226.09	N.A.	92.5
90-120	10.78	N.A.	4.4
90-130	13.8	N.A.	5.6
90-150	17.23	N.A.	7
90-180	18.43	N.A.	7.5
0-180	244.52	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.81
10-20	35.14
20-30	52.68
30-40	46.62
40-50	31.33
50-60	20.87
60-70	14.29
70-80	10.03
80-90	10.32
90-100	2.53
100-110	4.52
110-120	3.73
120-130	3.02
130-140	2.15
140-150	1.28
150-160	.65
160-170	.35
170-180	.2

POLAR GRAPH



Maximum Candela = 208 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
3 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.) : RED



**IES INDOOR REPORT
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DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 1208-01C
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 12/17/2008
[MANUFAC] ATEX
[LUMCAT] SP10-96C1L-11
[LUMINAIRE] 1000MM L. X 10MM W. X 10MM H. FLEXIBLE CHANNEL
[MORE] 96 WARM WHITE LEDS WITH COVERED IN SILICONE DIFFUSER
[LAMPPOSITION] 0,90
[LAMPCAT] WARM WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 12VDC, 4.00W

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)	0.88
Spacing Criteria (90-270)	0.84
Spacing Criteria (Diagonal)	0.90
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.17 ft
Luminous Width (90-270)	0.03 ft
Luminous Height	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3644	2333	2079
55	1362	1660	1380
65	1311	1269	1021
75	1266	954	739
85	1171	850	626

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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	134	134	134	134	134
5	135	135	132	128	126
15	113	113	111	108	107
25	81	80	80	79	79
35	44	44	45	45	45
45	23	25	25	26	26
55	7	16	17	17	17
65	5	9	12	12	12
75	3	5	8	8	8
85	1	4	6	6	6
90	0	3	5	5	5
95	0	3	4	4	4
105	0	2	4	4	4
115	0	2	3	3	3
125	0	1	2	3	3
135	0	1	2	2	2
145	0	0	1	1	2
155	0	0	1	1	1
165	0	0	0	1	1
175	0	0	0	0	0
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

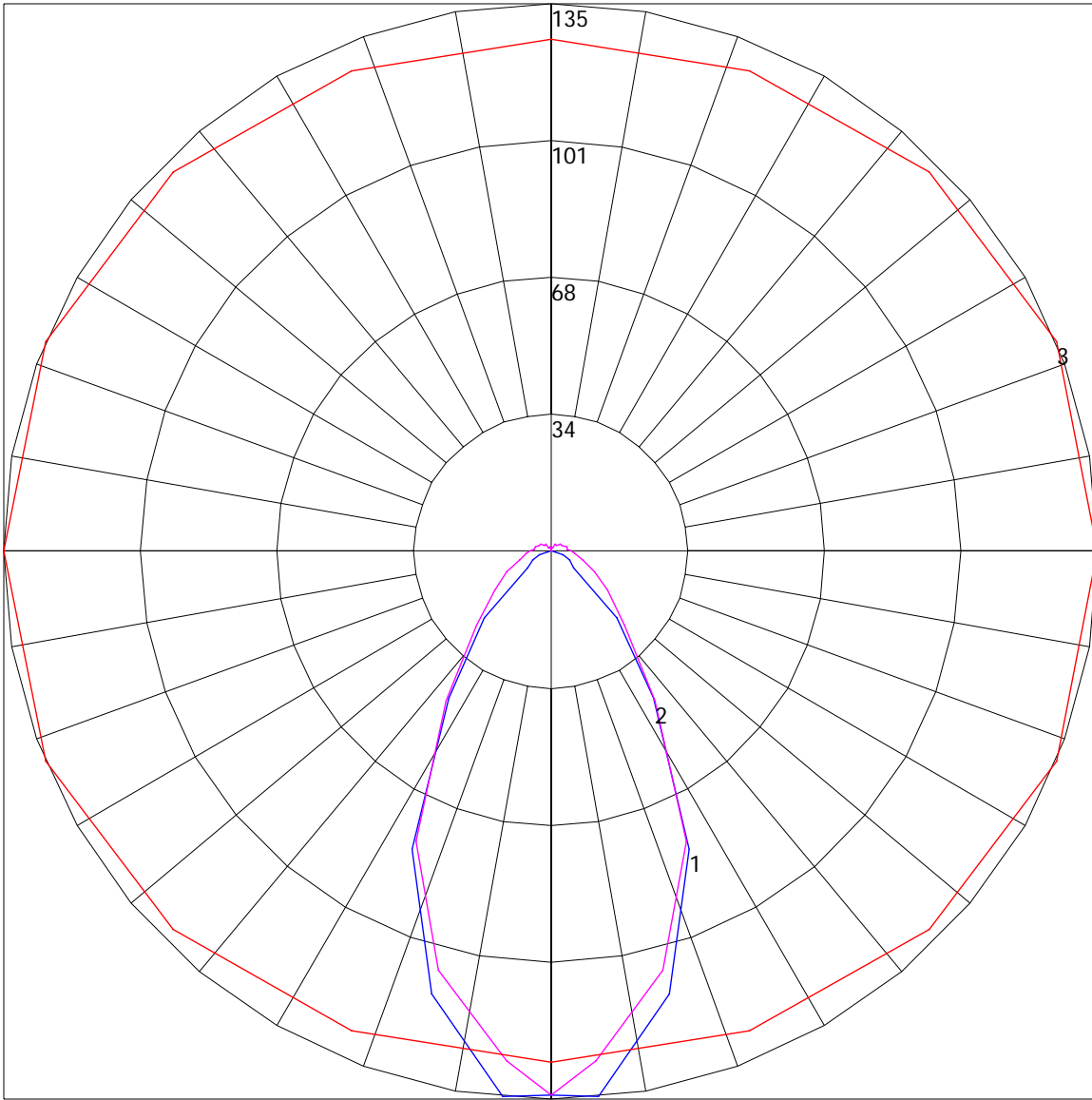
Zone	Lumens	%Lamp	%Fixt
0-30	61.81	N.A.	34.3
0-40	95.86	N.A.	53.3
0-60	137.45	N.A.	76.4
0-90	167.07	N.A.	92.8
90-120	8.09	N.A.	4.5
90-130	10.1	N.A.	5.6
90-150	12.31	N.A.	6.8
90-180	12.91	N.A.	7.2
0-180	179.98	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3.17
10-20	23
20-30	35.63
30-40	34.05
40-50	24.55
50-60	17.04
60-70	12.27
70-80	8.75
80-90	8.6
90-100	1.95
100-110	3.37
110-120	2.77
120-130	2.02
130-140	1.42
140-150	.79
150-160	.38
160-170	.19
170-180	.04

POLAR GRAPH



Maximum Candela = 135 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
3 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.) : RED