

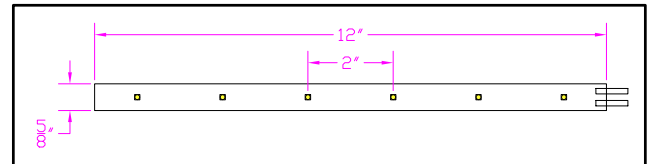
**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : L02101601.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 0210-1601  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUEDATE] 2/11/10  
 [MANUFAC] J&J ELECTRONICS  
 [LUMCAT] LLS-12-120-WW  
 [LUMINAIRE] 12"L. X 5/8"W. LED STRIP LIGHT  
 [MORE] 2" SPACING, 6 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] 24VAC, 3.79W  
 [\_TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lumens	N.A. (absolute)
Luminaire Lumens	82
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	22
Total Luminaire Watts	3.79
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.24
Spacing Criteria (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.84 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	34581	35124	35033
55	32141	32587	33033
65	29081	29081	29384
75	22753	24237	23248
85	19096	14689	14689

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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>0.0</b>	30.1	30.1	30.1	30.1	30.1
<b>1.0</b>	30.1	30.2	30.1	29.9	30.2
<b>3.0</b>	30.1	30.2	29.8	29.9	30.1
<b>5.0</b>	29.6	30.2	29.5	29.8	30.2
<b>7.0</b>	29.5	29.8	29.4	29.6	29.6
<b>9.0</b>	29.7	29.4	29.3	29.6	29.2
<b>11.0</b>	29.3	29.0	29.0	29.4	28.8
<b>13.0</b>	28.7	28.6	29.0	29.2	28.6
<b>15.0</b>	28.0	28.4	28.9	28.5	28.3
<b>17.0</b>	27.7	28.3	28.6	28.0	28.1
<b>19.5</b>	27.7	27.8	28.1	27.7	27.6
<b>22.5</b>	26.8	27.0	27.0	27.1	27.0
<b>25.5</b>	26.1	26.2	26.3	26.4	26.4
<b>29.0</b>	25.0	25.3	25.4	25.2	25.1
<b>33.0</b>	24.0	23.9	24.2	24.0	23.7
<b>37.5</b>	22.1	22.3	22.3	22.5	22.0
<b>42.5</b>	20.1	20.4	20.5	20.3	20.0
<b>47.5</b>	18.1	18.2	18.3	18.2	18.7
<b>55.0</b>	14.4	14.7	14.6	14.8	14.8
<b>65.0</b>	9.6	9.6	9.6	9.8	9.7
<b>75.0</b>	4.6	4.7	4.9	4.8	4.7
<b>85.0</b>	1.3	1.3	1.0	1.1	1.0
<b>90.0</b>	0.5	0.5	0.5	0.5	0.5

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	21.7	N.A.	26.5
0-40	33.84	N.A.	41.3
0-60	59.39	N.A.	72.4
0-90	81.98	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	81.98	N.A.	100

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	2.3
10-20	8.08
20-30	11.32
30-40	12.15
40-50	14.98
50-60	10.56
60-70	11.54
70-80	7.42
80-90	3.63
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

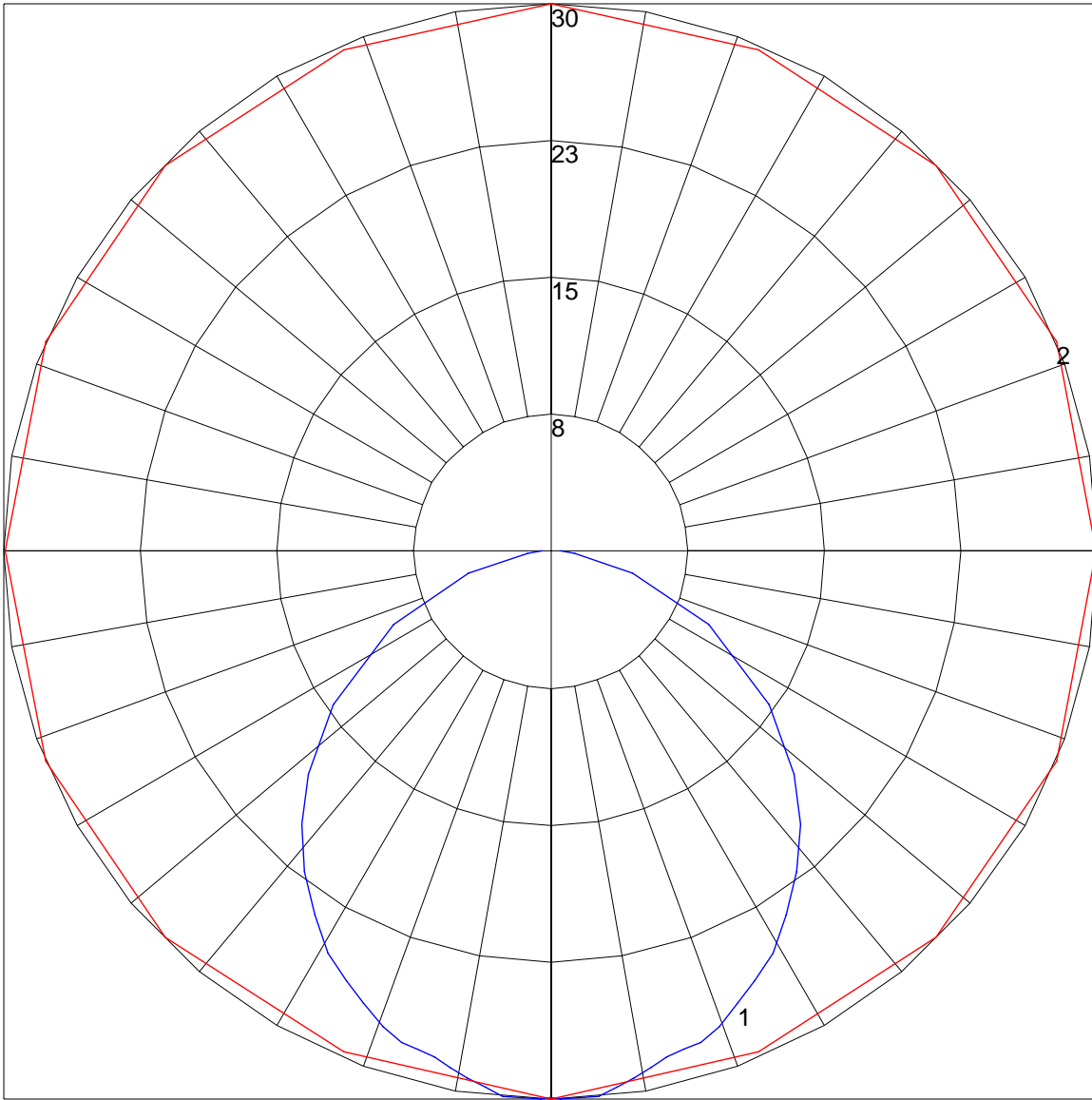
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	102	97	93	104	100	95	91	95	92	88	91	88	85	88	85	83	81
2	97	88	81	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 30.2 Located At Horizontal Angle = 22.5, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.) : BLUE  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.) : RED