

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P284738

Luminaire Tested: **4SNLED-LD5-39SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-39SL-SLW-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3540.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

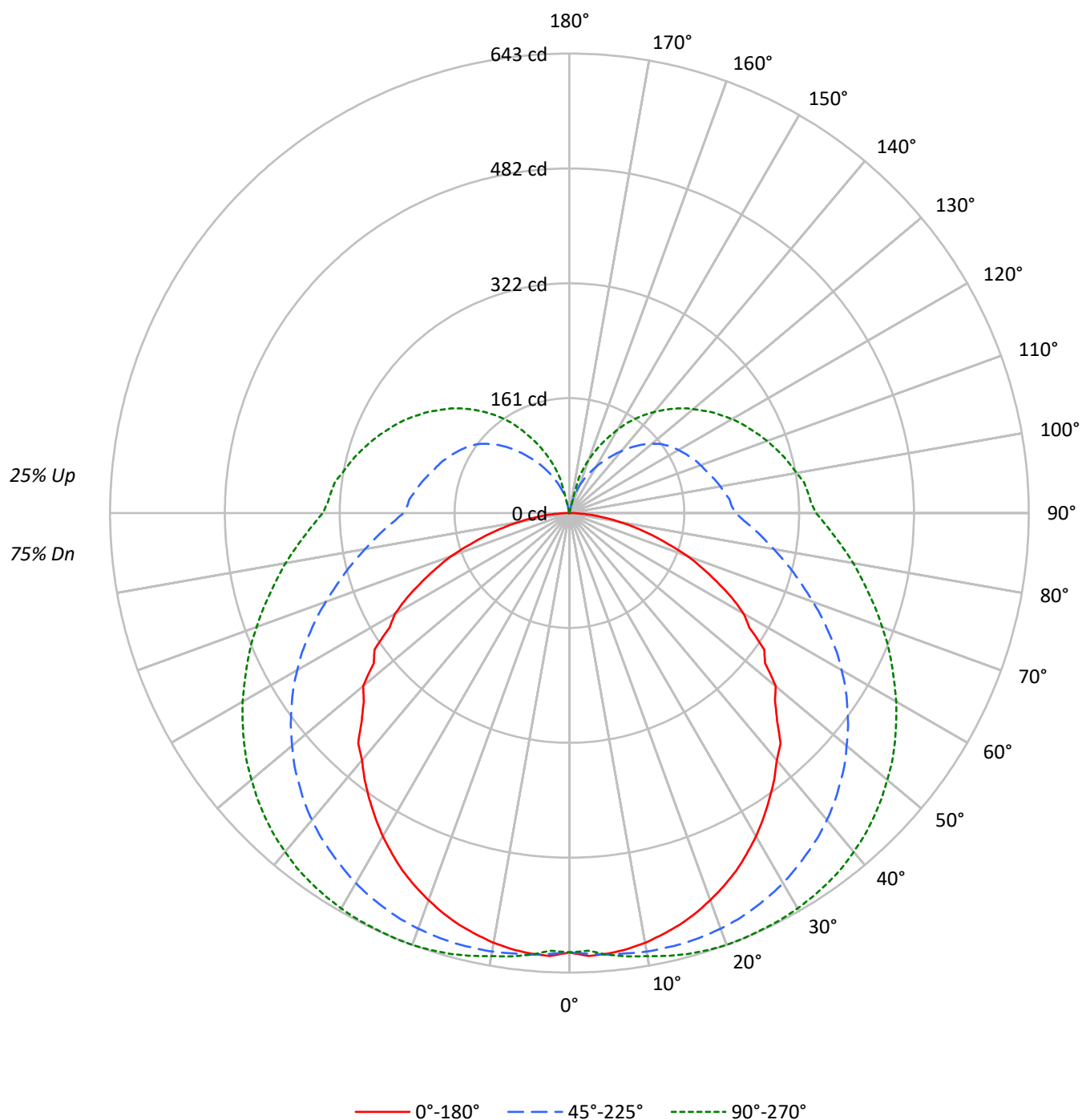
Input Watts (W): 35
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75		
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56		
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44		
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36		
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30		
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25		
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22		
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19		
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17		
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15		
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4968	4968	4968
5°	5007	4909	4873
10°	4983	4866	4846
15°	4948	4840	4856
20°	4901	4818	4866
25°	4855	4801	4873
30°	4787	4786	4899
35°	4713	4769	4932
40°	4642	4765	4965
45°	4555	4754	5005
50°	4568	4743	5044
55°	4487	4744	5104
60°	4322	4747	5173
65°	4082	4753	5269
70°	3819	4788	5418
75°	3353	4899	5637
80°	2830	5134	6000
85°	2104	5613	6530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.7
10°-20°	175.1	4.9
20°-30°	278.3	7.9
30°-40°	357.2	10.1
40°-50°	403.4	11.4
50°-60°	411.6	11.6
60°-70°	381.3	10.8
70°-80°	322.8	9.1
80°-90°	257.7	7.3
90°-100°	218.8	6.2
100°-110°	195.0	5.5
110°-120°	166.1	4.7
120°-130°	131.9	3.7
130°-140°	93.6	2.6
140°-150°	55.9	1.6
150°-160°	26.0	0.7
160°-170°	6.2	0.2
170°-180°	0.0	0.0
0°-30°	512.5	14.5
0°-40°	869.7	24.6
0°-60°	1684.7	47.6
0°-90°	2646.6	74.8
90°-120°	579.9	16.4
90°-150°	861.2	24.3
90°-180°	893.0	25.2
0°-180°	3540.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	619	614	620	620	620	59
15°	596	601	623	635	639	168
25°	552	571	611	632	642	254
35°	488	524	581	616	631	306
45°	411	467	536	582	602	319
55°	333	389	475	533	556	292
65°	228	304	402	471	497	226
75°	120	212	325	405	434	128
85°	31	136	260	343	373	34
90°	2	112	232	316	345	2
95°	0	105	225	307	335	0
105°	0	96	205	282	310	0
115°	0	90	186	254	279	0
125°	0	77	165	224	245	0
135°	0	58	133	189	206	0
145°	0	38	93	141	161	0
155°	1	23	58	86	107	0
165°	1	13	26	36	51	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	614.8	614.8	614.8	614.8	614.8
2.5°	620.4	613.9	617.3	616.4	613.0
5°	618.9	613.9	620.4	620.4	620.4
7.5°	615.5	612.1	621.3	624.7	625.6
10°	610.6	610.6	623.1	628.1	629.6
12.5°	603.8	606.3	623.1	630.5	634.6
15°	596.4	601.4	623.1	634.6	638.8
17.5°	587.2	595.5	621.3	635.5	641.3
20°	576.4	589.0	618.9	635.5	643.1
22.5°	564.8	580.7	615.5	633.9	643.1
25°	552.4	570.6	610.6	632.1	642.2
27.5°	537.4	560.7	604.7	629.6	641.3
30°	522.3	549.1	598.0	626.3	638.8
32.5°	505.7	536.5	589.7	621.3	635.5
35°	488.2	524.1	580.7	616.4	631.4
37.5°	470.7	509.1	571.5	609.7	626.3
40°	451.6	494.1	560.7	601.4	618.9
42.5°	437.5	478.4	549.1	593.1	611.5
45°	411.0	466.7	535.6	582.3	602.3
47.5°	390.1	444.2	522.3	571.5	592.2
50°	376.9	425.8	506.6	558.9	580.7
52.5°	345.2	413.5	491.6	546.6	569.7
55°	332.7	388.6	475.0	533.1	556.5
57.5°	298.5	371.1	458.4	518.3	542.3
60°	281.9	346.8	440.0	503.3	528.2
62.5°	256.1	326.2	421.8	486.7	512.5
65°	227.8	303.7	401.8	470.7	497.4
67.5°	201.4	281.3	382.7	454.1	482.4
70°	175.5	257.9	362.7	437.5	465.8
72.5°	145.5	234.6	343.4	421.8	450.1
75°	119.9	212.1	325.3	405.2	433.5
77.5°	94.7	190.6	307.8	390.1	418.4
80°	71.6	169.7	290.2	374.4	403.4
82.5°	49.8	152.2	274.5	359.4	387.7
85°	30.8	136.5	259.5	343.4	372.6
87.5°	14.1	122.3	244.5	328.6	358.5
90°	1.6	111.6	232.1	316.1	345.2
92.5°	0.9	108.2	227.2	310.2	338.5
95°	0.0	104.8	224.7	306.9	335.1
97.5°	0.0	101.5	218.9	301.9	331.1
100°	0.0	99.9	214.6	294.5	322.8
102.5°	0.0	97.4	209.7	287.8	316.1
105°	0.0	96.5	204.7	281.9	309.5
107.5°	0.0	94.7	199.6	274.5	301.9
110°	0.0	93.2	195.5	267.8	294.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	91.6	191.3	261.3	286.9
115°	0.0	89.8	186.3	253.7	278.6
117.5°	0.0	87.3	181.4	246.2	271.2
120°	0.0	84.0	176.4	239.5	262.9
122.5°	0.0	80.6	171.3	231.2	253.7
125°	0.0	77.4	165.4	223.8	245.3
127.5°	0.0	72.3	158.9	215.5	235.5
130°	0.0	67.3	150.6	207.2	226.3
132.5°	0.9	62.4	142.3	198.0	217.1
135°	0.0	57.5	133.1	188.8	206.3
137.5°	0.0	53.2	123.0	178.9	195.5
140°	0.0	48.3	113.1	167.2	184.7
142.5°	0.0	42.4	103.3	154.7	173.1
145°	0.0	37.5	93.2	141.4	161.4
147.5°	0.9	33.2	84.0	127.3	148.8
150°	0.9	29.9	75.0	113.1	134.7
152.5°	0.9	26.7	65.8	99.9	120.5
155°	0.9	23.3	57.5	86.4	107.3
157.5°	0.9	20.0	48.3	73.2	93.2
160°	0.9	17.5	40.0	61.5	79.9
162.5°	0.9	15.0	32.5	48.3	65.8
165°	0.9	12.6	25.8	35.7	50.7
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)