

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: P#

Luminaire Tested: **4SNLED-LD5-41SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-41SL-SLW-UNV-L950-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

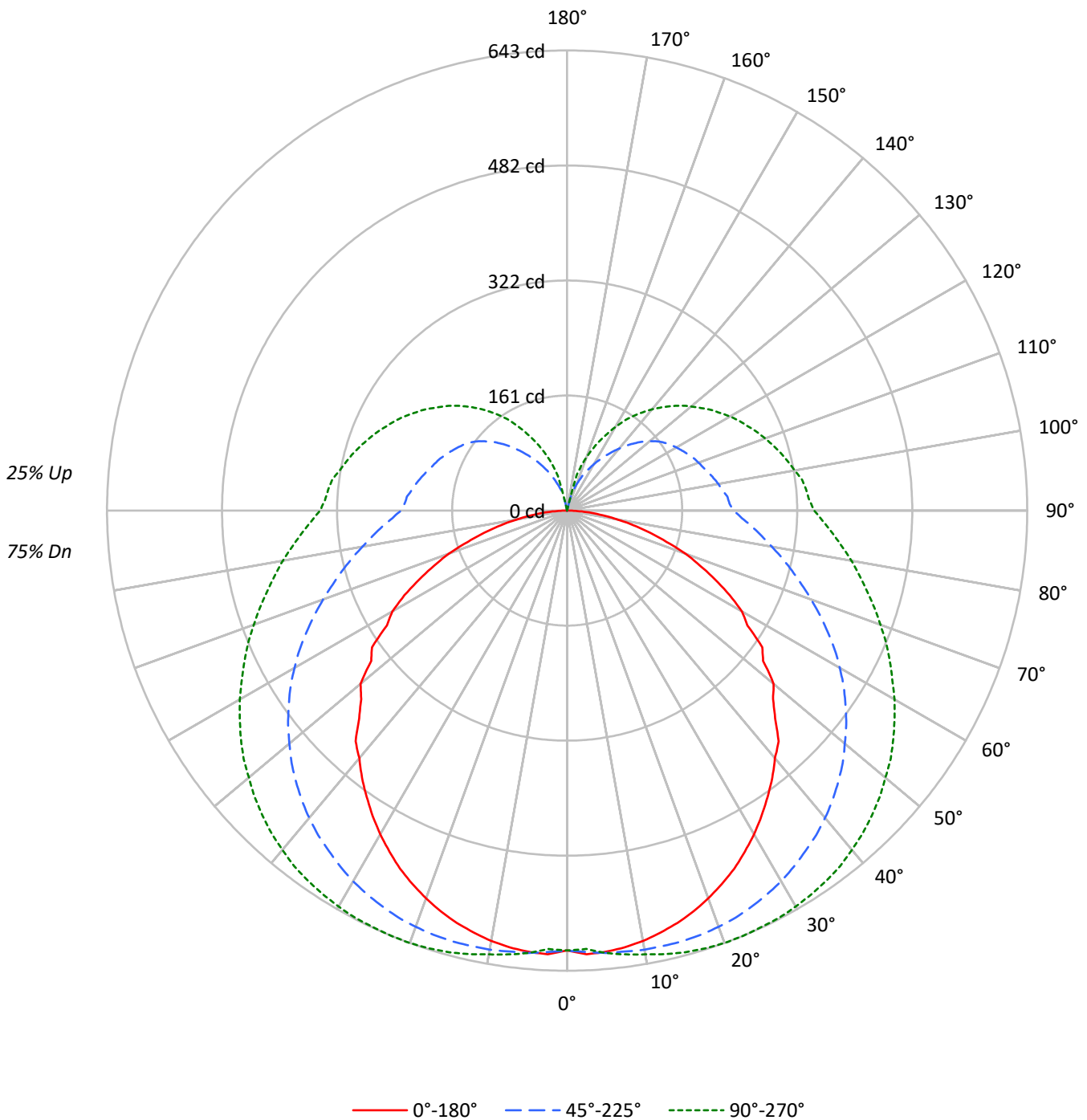
Lumens per Lamp: N/A  
Luminaire Lumens: 3540.0 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Semi-Direct

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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	4967	4967	4967
5°	5007	4911	4874
10°	4983	4865	4846
15°	4948	4839	4857
20°	4902	4818	4865
25°	4854	4801	4873
30°	4788	4786	4900
35°	4714	4768	4932
40°	4643	4765	4965
45°	4554	4755	5005
50°	4567	4743	5043
55°	4487	4744	5104
60°	4324	4747	5173
65°	4084	4753	5269
70°	3819	4788	5418
75°	3350	4899	5636
80°	2826	5135	6000
85°	2104	5613	6532



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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°	869.8	24.6
0°-60°	1684.8	47.6
0°-90°	2646.6	74.8
90°-120°	579.8	16.4
90°-150°	861.1	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	621	621	621	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	388	475	533	556	292
65°	228	304	402	471	497	226
75°	120	212	325	405	433	128
85°	31	136	260	344	373	34
90°	2	112	232	316	345	3
95°	0	105	225	307	335	0
105°	0	96	205	282	309	0
115°	0	90	186	254	279	0
125°	0	77	166	224	245	0
135°	0	57	133	189	206	0
145°	0	37	93	141	161	0
155°	1	23	57	86	107	0
165°	1	12	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°	614.7	614.7	614.7	614.7	614.7
2.5°	620.6	613.9	617.2	616.4	613.1
5°	618.9	613.9	620.6	620.6	620.6
7.5°	615.6	612.2	621.4	624.7	625.5
10°	610.6	610.6	623.0	628.0	629.7
12.5°	603.9	606.4	623.0	630.5	634.7
15°	596.4	601.4	623.0	634.7	638.9
17.5°	587.3	595.6	621.4	635.5	641.4
20°	576.5	588.9	618.9	635.5	643.0
22.5°	564.8	580.6	615.6	633.9	643.0
25°	552.3	570.6	610.6	632.2	642.2
27.5°	537.4	560.7	604.7	629.7	641.4
30°	522.4	549.0	598.1	626.4	638.9
32.5°	505.8	536.5	589.8	621.4	635.5
35°	488.3	524.1	580.6	616.4	631.4
37.5°	470.8	509.1	571.5	609.7	626.4
40°	451.7	494.1	560.7	601.4	618.9
42.5°	437.5	478.3	549.0	593.1	611.4
45°	410.9	466.7	535.7	582.3	602.3
47.5°	390.1	444.2	522.4	571.5	592.3
50°	376.8	425.9	506.6	559.0	580.6
52.5°	345.2	413.4	491.6	546.5	569.8
55°	332.7	388.5	475.0	533.2	556.5
57.5°	298.6	371.0	458.3	518.2	542.4
60°	282.0	346.9	440.0	503.3	528.2
62.5°	256.2	326.1	421.7	486.6	512.4
65°	227.9	303.6	401.8	470.8	497.4
67.5°	201.3	281.2	382.6	454.2	482.5
70°	175.5	257.9	362.7	437.5	465.8
72.5°	145.6	234.6	343.6	421.7	450.0
75°	119.8	212.1	325.3	405.1	433.4
77.5°	94.8	190.5	307.8	390.1	418.4
80°	71.5	169.7	290.3	374.3	403.4
82.5°	49.9	152.2	274.5	359.4	387.6
85°	30.8	136.4	259.5	343.6	372.7
87.5°	14.1	122.3	244.6	328.6	358.5
90°	1.7	111.5	232.1	316.1	345.2
92.5°	0.8	108.1	227.1	310.3	338.6
95°	0.0	104.8	224.6	306.9	335.2
97.5°	0.0	101.5	218.8	302.0	331.1
100°	0.0	99.8	214.6	294.5	322.8
102.5°	0.0	97.3	209.6	287.8	316.1
105°	0.0	96.5	204.6	282.0	309.4
107.5°	0.0	94.8	199.6	274.5	302.0
110°	0.0	93.2	195.5	267.9	294.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	91.5	191.3	261.2	287.0
115°	0.0	89.8	186.3	253.7	278.7
117.5°	0.0	87.3	181.3	246.2	271.2
120°	0.0	84.0	176.4	239.6	262.9
122.5°	0.0	80.7	171.4	231.3	253.7
125°	0.0	77.4	165.5	223.8	245.4
127.5°	0.0	72.4	158.9	215.4	235.4
130°	0.0	67.4	150.6	207.1	226.3
132.5°	0.8	62.4	142.2	198.0	217.1
135°	0.0	57.4	133.1	188.8	206.3
137.5°	0.0	53.2	123.1	178.8	195.5
140°	0.0	48.2	113.1	167.2	184.7
142.5°	0.0	42.4	103.1	154.7	173.0
145°	0.0	37.4	93.2	141.4	161.4
147.5°	0.8	33.3	84.0	127.3	148.9
150°	0.8	29.9	74.9	113.1	134.8
152.5°	0.8	26.6	65.7	99.8	120.6
155°	0.8	23.3	57.4	86.5	107.3
157.5°	0.8	20.0	48.2	73.2	93.2
160°	0.8	17.5	39.9	61.6	79.9
162.5°	0.8	15.0	32.4	48.2	65.7
165°	0.8	12.5	25.8	35.8	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)