

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: P218333

Luminaire Tested: **4SNLED-LD5-44SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-44SL-LW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4681.0 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

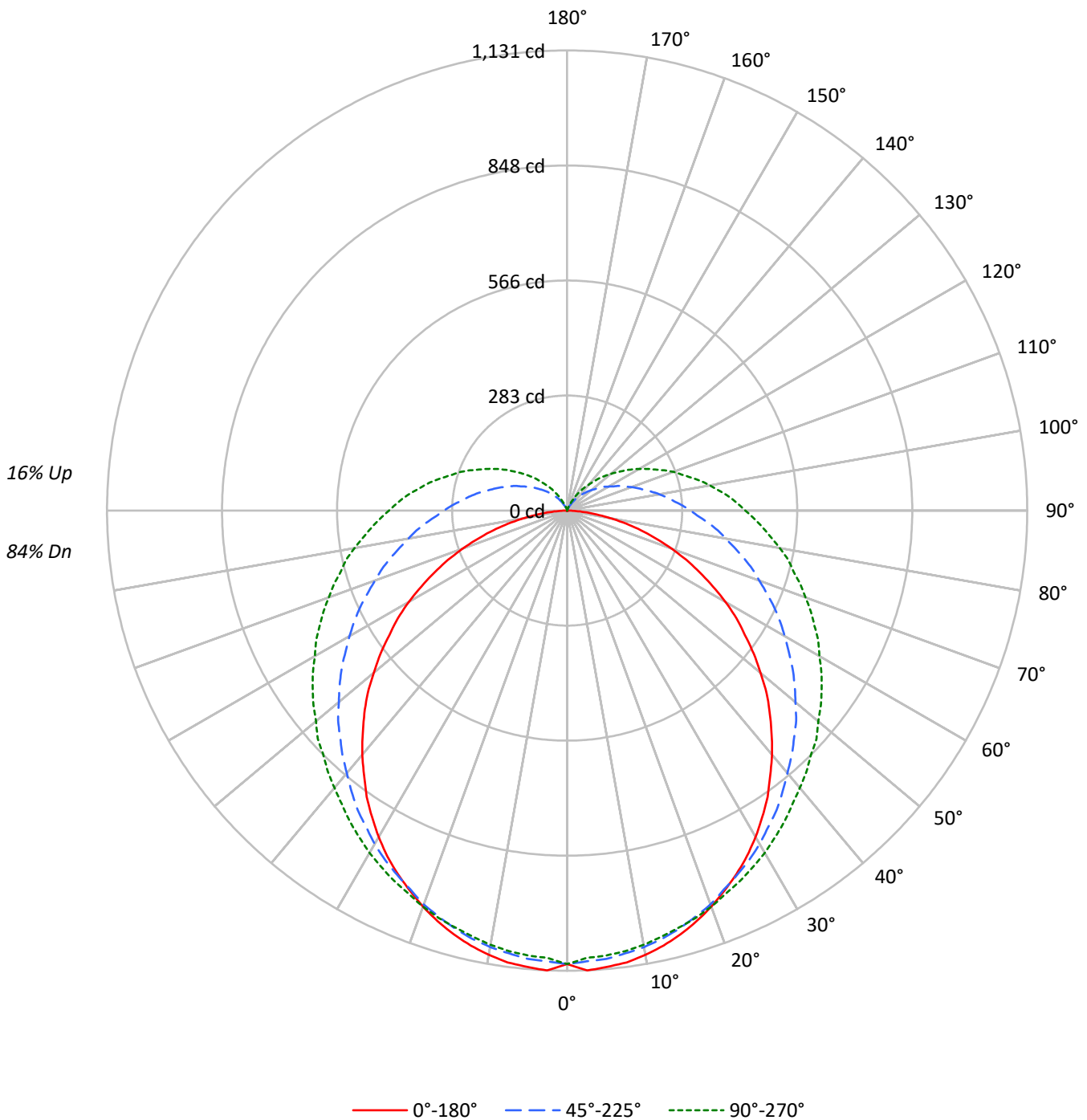
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	65
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17959	17959	17959
5°	18142	16808	16327
10°	18011	15773	15072
15°	17784	14824	13962
20°	17498	13932	13023
25°	17185	13078	12186
30°	16831	12351	11457
35°	16418	11658	10783
40°	15917	10948	10178
45°	15413	10352	9660
50°	14815	9781	9215
55°	14142	9263	8835
60°	13500	8745	8445
65°	12574	8299	8136
70°	11509	7829	7835
75°	10132	7459	7572
80°	8006	7094	7380
85°	5269	6832	7183



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	2.3
10°-20°	301.8	6.4
20°-30°	458.8	9.8
30°-40°	561.5	12.0
40°-50°	606.2	12.9
50°-60°	595.1	12.7
60°-70°	536.0	11.5
70°-80°	443.8	9.5
80°-90°	341.3	7.3
90°-100°	257.3	5.5
100°-110°	189.3	4.0
110°-120°	130.6	2.8
120°-130°	82.8	1.8
130°-140°	45.8	1.0
140°-150°	19.9	0.4
150°-160°	5.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	866.1	18.5
0°-40°	1427.6	30.5
0°-60°	2628.9	56.2
0°-90°	3950.0	84.4
90°-120°	577.3	12.3
90°-150°	725.8	15.5
90°-180°	731.0	15.6
0°-180°	4681.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1114	1114	1114	1114	1114	
5°	1126	1120	1106	1106	1098	107
15°	1078	1075	1064	1070	1061	304
25°	985	985	988	1008	1005	454
35°	859	868	898	926	932	536
45°	705	736	789	837	848	543
55°	533	592	677	744	764	479
65°	359	441	562	646	671	357
75°	188	300	449	545	576	199
85°	42	185	348	452	483	48
90°	0	143	303	407	438	2
95°	3	112	264	365	399	1
105°	0	70	196	286	314	0
115°	0	45	143	216	239	0
125°	0	28	98	154	171	0
135°	0	17	62	101	112	0
145°	0	6	31	56	62	0
155°	0	3	8	17	20	0
165°	0	0	0	0	0	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°	1114.5	1114.5	1114.5	1114.5	1114.5
2.5°	1131.4	1122.9	1108.9	1108.9	1100.5
5°	1125.7	1120.1	1106.1	1106.1	1097.7
7.5°	1120.1	1114.5	1097.7	1100.5	1092.1
10°	1108.9	1103.3	1089.2	1092.1	1083.6
12.5°	1094.9	1089.2	1078.0	1080.8	1072.4
15°	1078.0	1075.2	1064.0	1069.6	1061.2
17.5°	1058.4	1055.6	1047.1	1055.6	1049.9
20°	1035.9	1035.9	1030.3	1041.5	1035.9
22.5°	1010.6	1010.6	1007.8	1024.7	1019.1
25°	985.4	985.4	988.2	1007.8	1005.0
27.5°	957.3	960.1	968.5	991.0	988.2
30°	926.4	932.0	946.1	971.3	971.3
32.5°	892.7	898.3	920.8	951.7	951.7
35°	859.0	867.5	898.3	926.4	932.0
37.5°	819.7	833.8	870.3	904.0	909.6
40°	783.2	802.9	842.2	881.5	889.9
42.5°	743.9	769.2	816.9	861.9	870.3
45°	704.6	735.5	788.9	836.6	847.8
47.5°	665.3	699.0	763.6	814.1	831.0
50°	620.4	662.5	732.7	791.7	805.7
52.5°	578.3	626.0	704.6	766.4	786.1
55°	533.4	592.3	676.6	743.9	763.6
57.5°	494.1	553.0	645.7	721.5	741.1
60°	449.2	513.7	617.6	693.4	715.9
62.5°	404.3	480.1	589.5	671.0	696.2
65°	359.3	440.8	561.5	645.7	671.0
67.5°	317.2	404.3	530.6	620.4	648.5
70°	272.3	367.8	502.5	595.2	623.2
72.5°	230.2	334.1	477.2	569.9	600.8
75°	188.1	300.4	449.2	544.6	575.5
77.5°	148.8	269.5	421.1	522.2	555.9
80°	106.7	238.6	395.8	496.9	530.6
82.5°	73.0	210.5	373.4	474.4	505.3
85°	42.1	185.3	348.1	452.0	482.9
87.5°	16.8	162.8	322.8	426.7	460.4
90°	0.0	143.2	303.2	407.1	437.9
92.5°	0.0	126.3	283.5	384.6	418.3
95°	2.8	112.3	263.9	365.0	398.6
97.5°	0.0	98.3	247.0	345.3	376.2
100°	0.0	89.8	230.2	325.7	356.5
102.5°	0.0	78.6	213.4	306.0	336.9
105°	0.0	70.2	196.5	286.3	314.4
107.5°	0.0	64.6	182.5	269.5	294.8
110°	0.0	56.1	168.4	252.7	277.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.5	154.4	233.0	258.3
115°	0.0	44.9	143.2	216.2	238.6
117.5°	0.0	42.1	129.1	199.3	221.8
120°	0.0	36.5	117.9	185.3	204.9
122.5°	0.0	33.7	109.5	168.4	188.1
125°	0.0	28.1	98.3	154.4	171.2
127.5°	0.0	25.3	87.0	140.4	154.4
130°	0.0	22.5	78.6	126.3	140.4
132.5°	0.0	19.7	70.2	112.3	126.3
135°	0.0	16.8	61.8	101.1	112.3
137.5°	0.0	14.0	53.3	87.0	98.3
140°	0.0	11.2	44.9	75.8	84.2
142.5°	0.0	8.4	39.3	64.6	73.0
145°	0.0	5.6	30.9	56.1	61.8
147.5°	0.0	5.6	25.3	44.9	50.5
150°	0.0	2.8	16.8	36.5	39.3
152.5°	0.0	2.8	14.0	28.1	28.1
155°	0.0	2.8	8.4	16.8	19.7
157.5°	0.0	0.0	5.6	11.2	11.2
160°	0.0	0.0	2.8	5.6	8.4
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
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)