

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: P218328

Luminaire Tested: **4SNLED-LD5-44HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218328  
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-LD5-44HL-LW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4449.0 lumens  
Efficiency: N/A  
Efficacy: 120.2 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

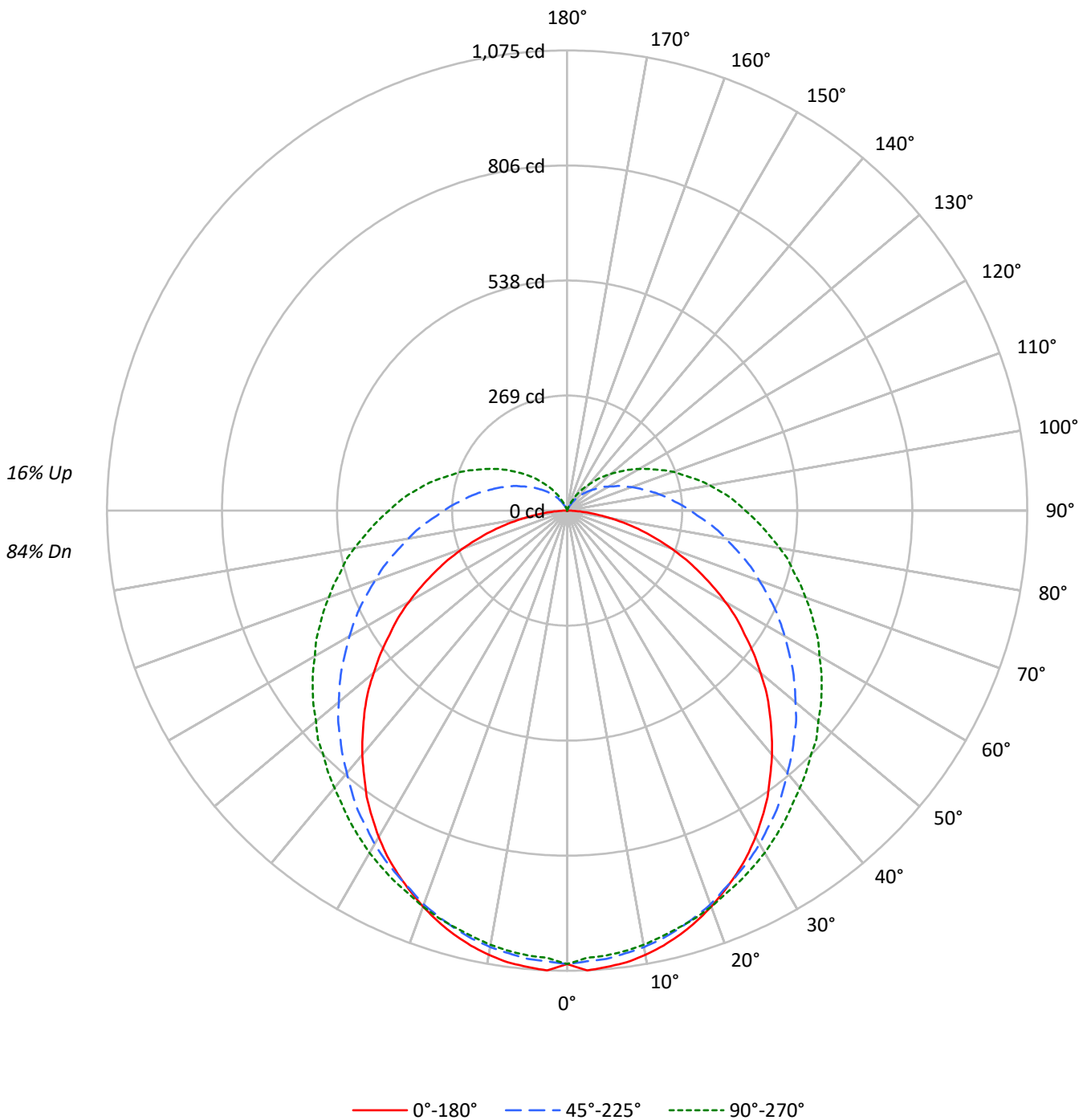
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	64
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°	17069	17069	17069
5°	17243	15975	15518
10°	17118	14992	14325
15°	16903	14088	13270
20°	16631	13241	12378
25°	16332	12429	11582
30°	15997	11739	10890
35°	15605	11080	10249
40°	15128	10406	9674
45°	14650	9839	9181
50°	14082	9296	8759
55°	13442	8803	8396
60°	12830	8312	8026
65°	11951	7887	7732
70°	10938	7441	7446
75°	9631	7089	7197
80°	7608	6742	7015
85°	5006	6495	6826



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.3	2.3
10°-20°	286.9	6.4
20°-30°	436.0	9.8
30°-40°	533.6	12.0
40°-50°	576.1	12.9
50°-60°	565.6	12.7
60°-70°	509.4	11.5
70°-80°	421.8	9.5
80°-90°	324.4	7.3
90°-100°	244.6	5.5
100°-110°	180.0	4.0
110°-120°	124.2	2.8
120°-130°	78.7	1.8
130°-140°	43.6	1.0
140°-150°	18.9	0.4
150°-160°	4.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	823.2	18.5
0°-40°	1356.8	30.5
0°-60°	2498.6	56.2
0°-90°	3754.3	84.4
90°-120°	548.7	12.3
90°-150°	689.9	15.5
90°-180°	695.0	15.6
0°-180°	4449.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1059	1059	1059	1059	1059	
5°	1070	1065	1051	1051	1043	102
15°	1025	1022	1011	1017	1009	289
25°	936	936	939	958	955	431
35°	816	824	854	880	886	510
45°	670	699	750	795	806	517
55°	507	563	643	707	726	455
65°	342	419	534	614	638	339
75°	179	286	427	518	547	190
85°	40	176	331	430	459	46
90°	0	136	288	387	416	2
95°	3	107	251	347	379	1
105°	0	67	187	272	299	0
115°	0	43	136	206	227	0
125°	0	27	93	147	163	0
135°	0	16	59	96	107	0
145°	0	5	29	53	59	0
155°	0	3	8	16	19	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°	1059.3	1059.3	1059.3	1059.3	1059.3
2.5°	1075.3	1067.3	1053.9	1053.9	1045.9
5°	1069.9	1064.6	1051.3	1051.3	1043.3
7.5°	1064.6	1059.3	1043.3	1045.9	1037.9
10°	1053.9	1048.6	1035.3	1037.9	1029.9
12.5°	1040.6	1035.3	1024.6	1027.3	1019.3
15°	1024.6	1021.9	1011.2	1016.6	1008.6
17.5°	1005.9	1003.2	995.2	1003.2	997.9
20°	984.6	984.6	979.2	989.9	984.6
22.5°	960.6	960.6	957.9	973.9	968.6
25°	936.5	936.5	939.2	957.9	955.2
27.5°	909.9	912.5	920.5	941.9	939.2
30°	880.5	885.8	899.2	923.2	923.2
32.5°	848.5	853.8	875.2	904.5	904.5
35°	816.5	824.5	853.8	880.5	885.8
37.5°	779.1	792.5	827.1	859.2	864.5
40°	744.4	763.1	800.5	837.8	845.8
42.5°	707.1	731.1	776.4	819.1	827.1
45°	669.7	699.1	749.8	795.1	805.8
47.5°	632.4	664.4	725.7	773.8	789.8
50°	589.7	629.7	696.4	752.4	765.8
52.5°	549.6	595.0	669.7	728.4	747.1
55°	507.0	563.0	643.0	707.1	725.7
57.5°	469.6	525.6	613.7	685.7	704.4
60°	426.9	488.3	587.0	659.0	680.4
62.5°	384.2	456.3	560.3	637.7	661.7
65°	341.5	418.9	533.6	613.7	637.7
67.5°	301.5	384.2	504.3	589.7	616.4
70°	258.8	349.5	477.6	565.7	592.3
72.5°	218.8	317.5	453.6	541.6	571.0
75°	178.8	285.5	426.9	517.6	547.0
77.5°	141.4	256.1	400.2	496.3	528.3
80°	101.4	226.8	376.2	472.3	504.3
82.5°	69.4	200.1	354.9	450.9	480.3
85°	40.0	176.1	330.9	429.6	458.9
87.5°	16.0	154.8	306.8	405.6	437.6
90°	0.0	136.1	288.2	386.9	416.2
92.5°	0.0	120.1	269.5	365.5	397.6
95°	2.7	106.7	250.8	346.9	378.9
97.5°	0.0	93.4	234.8	328.2	357.5
100°	0.0	85.4	218.8	309.5	338.9
102.5°	0.0	74.7	202.8	290.8	320.2
105°	0.0	66.7	186.8	272.2	298.8
107.5°	0.0	61.4	173.4	256.1	280.2
110°	0.0	53.4	160.1	240.1	264.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.0	146.8	221.5	245.5
115°	0.0	42.7	136.1	205.5	226.8
117.5°	0.0	40.0	122.7	189.4	210.8
120°	0.0	34.7	112.1	176.1	194.8
122.5°	0.0	32.0	104.1	160.1	178.8
125°	0.0	26.7	93.4	146.8	162.8
127.5°	0.0	24.0	82.7	133.4	146.8
130°	0.0	21.3	74.7	120.1	133.4
132.5°	0.0	18.7	66.7	106.7	120.1
135°	0.0	16.0	58.7	96.1	106.7
137.5°	0.0	13.3	50.7	82.7	93.4
140°	0.0	10.7	42.7	72.0	80.0
142.5°	0.0	8.0	37.4	61.4	69.4
145°	0.0	5.3	29.4	53.4	58.7
147.5°	0.0	5.3	24.0	42.7	48.0
150°	0.0	2.7	16.0	34.7	37.4
152.5°	0.0	2.7	13.3	26.7	26.7
155°	0.0	2.7	8.0	16.0	18.7
157.5°	0.0	0.0	5.3	10.7	10.7
160°	0.0	0.0	2.7	5.3	8.0
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)