

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: P218175

Luminaire Tested: **4SNLED-LD5-18SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-18SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.0 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

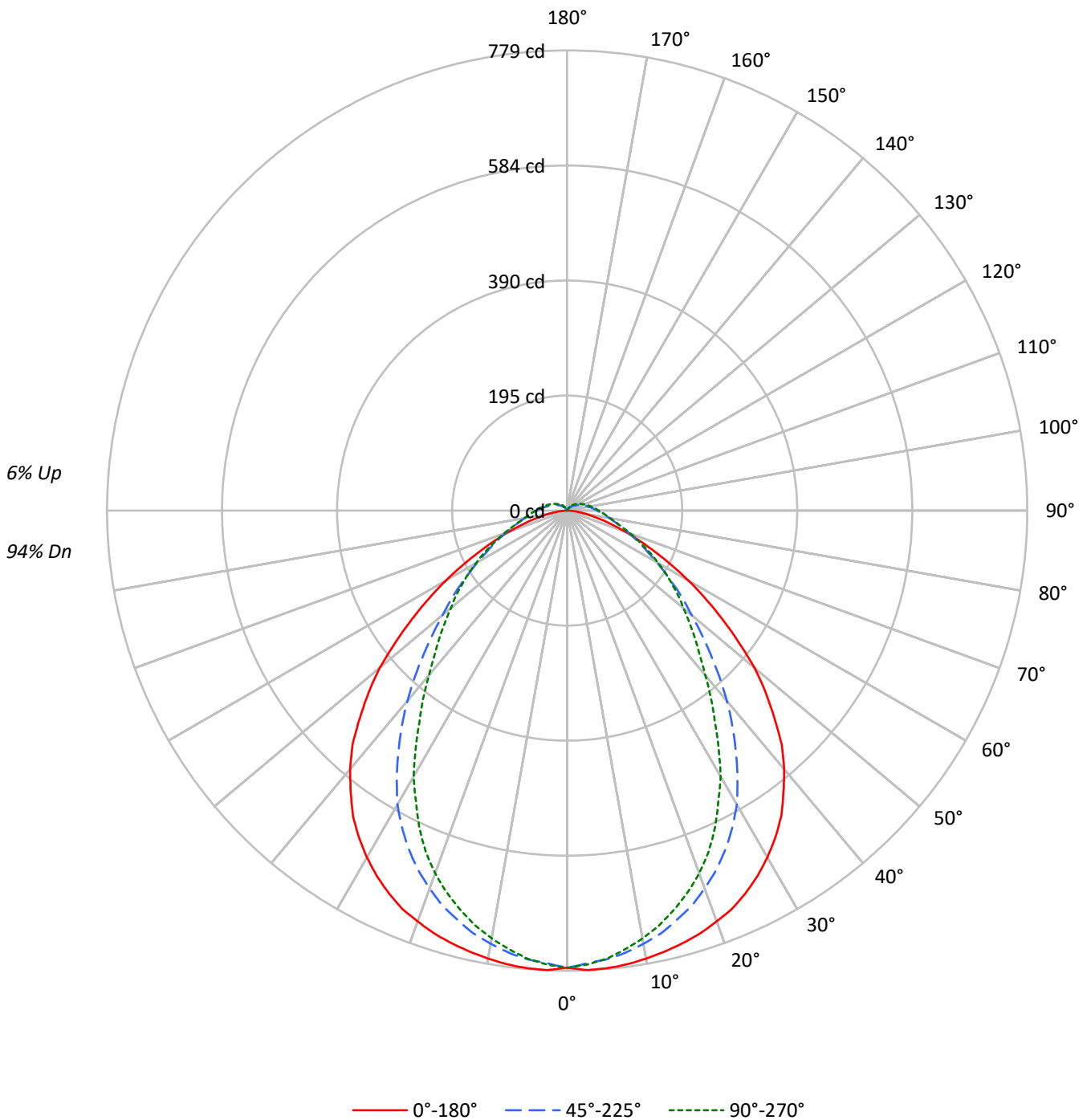
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12470	12470	12470
5°	12534	11588	11329
10°	12508	10784	10228
15°	12503	9995	9203
20°	12499	9205	8215
25°	12463	8385	7181
30°	12316	7497	6130
35°	12073	6463	5043
40°	11615	5470	4156
45°	10854	4497	3487
50°	9894	3670	2939
55°	8511	3030	2505
60°	7132	2479	2099
65°	5666	2059	1735
70°	4417	1731	1432
75°	3345	1470	1189
80°	2333	1299	1021
85°	1414	1184	924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	4.1
10°-20°	204.2	11.4
20°-30°	295.7	16.5
30°-40°	321.8	18.0
40°-50°	285.8	16.0
50°-60°	217.6	12.2
60°-70°	144.4	8.1
70°-80°	88.0	4.9
80°-90°	54.5	3.1
90°-100°	37.2	2.1
100°-110°	26.2	1.5
110°-120°	17.8	1.0
120°-130°	11.3	0.6
130°-140°	6.4	0.4
140°-150°	3.0	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	572.6	32.0
0°-40°	894.5	50.1
0°-60°	1397.8	78.2
0°-90°	1684.8	94.3
90°-120°	81.2	4.5
90°-150°	101.9	5.7
90°-180°	102.0	5.7
0°-180°	1787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	778	773	763	766	762	74
15°	758	745	717	709	700	214
25°	715	683	634	608	592	329
35°	632	575	498	455	436	394
45°	496	422	343	314	306	382
55°	321	261	221	218	216	288
65°	162	139	139	145	143	163
75°	62	71	88	93	90	67
85°	11	36	60	64	62	13
90°	0	26	51	56	54	1
95°	0	21	43	48	47	0
105°	0	13	31	36	36	0
115°	0	8	23	27	26	0
125°	0	6	15	19	19	0
135°	0	4	10	13	13	0
145°	0	2	6	8	8	0
155°	0	0	0	0	0	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°	773.9	773.9	773.9	773.9	773.9
2.5°	778.6	774.8	767.3	772.0	769.2
5°	777.7	773.0	762.6	766.4	761.7
7.5°	774.8	769.2	755.1	757.0	749.4
10°	770.1	762.6	744.7	742.8	735.3
12.5°	764.5	755.1	733.4	726.8	719.3
15°	757.9	744.7	717.4	708.9	699.5
17.5°	750.4	732.5	701.4	688.2	677.9
20°	740.0	718.4	680.7	664.7	653.4
22.5°	729.7	701.4	659.0	637.4	625.2
25°	714.6	682.6	633.6	608.2	592.2
27.5°	697.6	660.9	605.4	572.4	554.5
30°	677.9	635.5	574.3	535.7	519.7
32.5°	656.2	607.3	536.7	495.2	477.3
35°	631.7	575.3	498.0	454.7	435.9
37.5°	601.6	540.4	459.4	415.2	400.1
40°	571.5	503.7	420.8	379.4	363.4
42.5°	537.6	463.2	381.3	343.6	332.3
45°	496.2	421.8	342.7	313.5	306.0
47.5°	455.7	379.4	307.9	287.2	280.6
50°	414.3	338.0	274.9	261.7	257.0
52.5°	366.2	297.5	247.6	239.1	237.3
55°	321.0	260.8	221.3	217.5	216.5
57.5°	277.7	226.0	196.8	199.6	197.7
60°	237.3	193.9	175.1	178.9	177.9
62.5°	197.7	164.8	155.3	162.9	161.0
65°	161.9	139.3	139.3	145.0	143.1
67.5°	130.9	118.6	124.3	129.9	128.0
70°	104.5	99.8	111.1	115.8	113.9
72.5°	81.0	83.8	97.9	103.6	100.7
75°	62.1	70.6	88.5	93.2	90.4
77.5°	44.3	59.3	80.0	83.8	81.0
80°	31.1	49.9	72.5	76.3	73.4
82.5°	19.8	42.4	65.9	69.7	67.8
85°	11.3	35.8	60.3	64.0	62.1
87.5°	5.6	31.1	54.6	59.3	57.4
90°	0.0	26.4	50.8	55.5	53.7
92.5°	0.0	23.5	47.1	51.8	49.9
95°	0.0	20.7	43.3	48.0	47.1
97.5°	0.0	18.8	40.5	45.2	43.3
100°	0.0	16.0	36.7	41.4	40.5
102.5°	0.0	15.1	33.9	38.6	37.7
105°	0.0	13.2	31.1	35.8	35.8
107.5°	0.0	12.2	29.2	33.9	33.0
110°	0.0	10.4	26.4	31.1	31.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.4	24.5	29.2	28.2
115°	0.0	8.5	22.6	27.3	26.4
117.5°	0.0	8.5	20.7	24.5	24.5
120°	0.0	7.5	18.8	22.6	22.6
122.5°	0.0	6.6	16.9	20.7	20.7
125°	0.0	5.6	15.1	18.8	18.8
127.5°	0.0	5.6	14.1	17.9	17.9
130°	0.0	4.7	12.2	16.0	16.0
132.5°	0.0	3.8	11.3	14.1	14.1
135°	0.0	3.8	10.4	13.2	13.2
137.5°	0.0	2.8	8.5	11.3	11.3
140°	0.0	2.8	7.5	10.4	10.4
142.5°	0.0	1.9	6.6	9.4	8.5
145°	0.0	1.9	5.6	7.5	7.5
147.5°	0.0	0.9	4.7	6.6	6.6
150°	0.0	0.9	3.8	5.6	4.7
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)