

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: P218200

Luminaire Tested: **4SNLED-LD5-41SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218200
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-LD5-41SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4137.0 lumens
Efficiency: N/A
Efficacy: 135.2 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

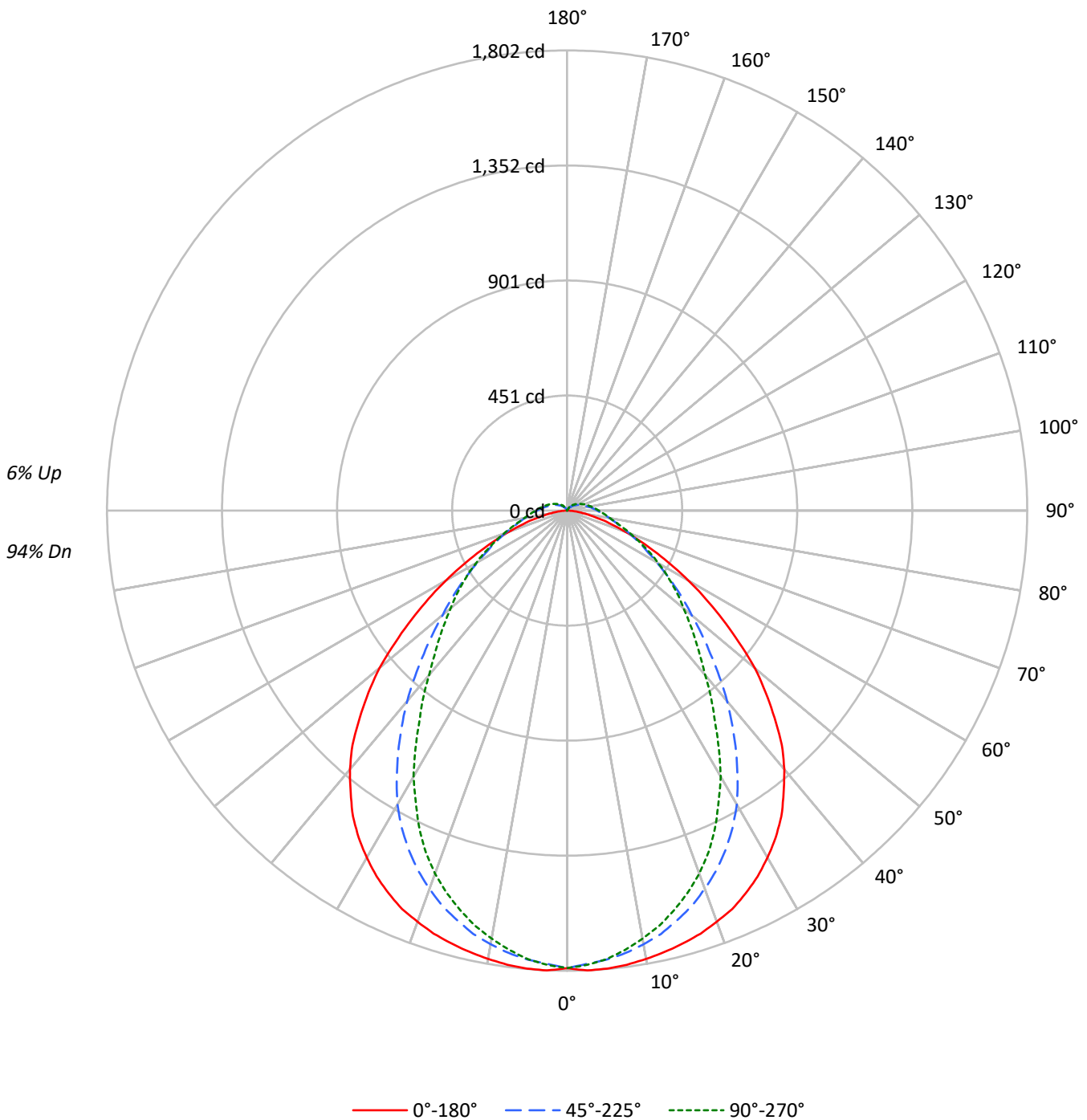
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28869	28869	28869
5°	29016	26828	26227
10°	28959	24967	23678
15°	28947	23140	21306
20°	28938	21310	19016
25°	28851	19413	16624
30°	28512	17357	14192
35°	27952	14963	11676
40°	26887	12666	9622
45°	25128	10411	8072
50°	22901	8495	6805
55°	19704	7012	5800
60°	16509	5741	4859
65°	13120	4768	4017
70°	10224	4007	3315
75°	7751	3403	2752
80°	5395	3007	2365
85°	3279	2738	2140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	4.1
10°-20°	472.7	11.4
20°-30°	684.5	16.5
30°-40°	745.0	18.0
40°-50°	661.7	16.0
50°-60°	503.7	12.2
60°-70°	334.4	8.1
70°-80°	203.8	4.9
80°-90°	126.3	3.1
90°-100°	86.2	2.1
100°-110°	60.5	1.5
110°-120°	41.2	1.0
120°-130°	26.2	0.6
130°-140°	14.9	0.4
140°-150°	7.0	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1325.7	32.0
0°-40°	2070.7	50.1
0°-60°	3236.1	78.2
0°-90°	3900.5	94.3
90°-120°	188.0	4.5
90°-150°	236.0	5.7
90°-180°	237.0	5.7
0°-180°	4137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1800	1790	1766	1774	1763	171
15°	1755	1724	1661	1641	1619	496
25°	1654	1580	1467	1408	1371	762
35°	1462	1332	1153	1053	1009	911
45°	1149	976	793	726	708	885
55°	743	604	512	504	501	667
65°	375	323	323	336	331	378
75°	144	164	205	216	209	156
85°	26	83	140	148	144	31
90°	0	61	118	129	124	2
95°	0	48	100	111	109	0
105°	0	30	72	83	83	0
115°	0	20	52	63	61	0
125°	0	13	35	44	44	0
135°	0	9	24	30	30	0
145°	0	4	13	17	17	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°	1791.6	1791.6	1791.6	1791.6	1791.6
2.5°	1802.5	1793.8	1776.4	1787.3	1780.7
5°	1800.4	1789.5	1765.5	1774.2	1763.3
7.5°	1793.8	1780.7	1748.0	1752.4	1735.0
10°	1782.9	1765.5	1724.1	1719.7	1702.3
12.5°	1769.8	1748.0	1697.9	1682.7	1665.2
15°	1754.6	1724.1	1660.9	1641.2	1619.4
17.5°	1737.1	1695.7	1623.8	1593.3	1569.3
20°	1713.2	1663.0	1575.9	1538.8	1512.6
22.5°	1689.2	1623.8	1525.7	1475.6	1447.3
25°	1654.3	1580.2	1466.9	1408.0	1371.0
27.5°	1615.1	1530.1	1401.5	1325.2	1283.8
30°	1569.3	1471.2	1329.6	1240.2	1203.1
32.5°	1519.2	1405.8	1242.4	1146.5	1105.1
35°	1462.5	1331.7	1153.0	1052.7	1009.2
37.5°	1392.8	1251.1	1063.6	961.2	926.3
40°	1323.0	1166.1	974.3	878.4	841.3
42.5°	1244.6	1072.4	882.7	795.6	769.4
45°	1148.7	976.5	793.4	725.8	708.4
47.5°	1054.9	878.4	712.7	664.8	649.5
50°	959.0	782.5	636.4	605.9	595.0
52.5°	847.9	688.8	573.2	553.6	549.3
55°	743.2	603.8	512.2	503.5	501.3
57.5°	643.0	523.1	455.5	462.1	457.7
60°	549.3	449.0	405.4	414.1	411.9
62.5°	457.7	381.4	359.6	377.1	372.7
65°	374.9	322.6	322.6	335.7	331.3
67.5°	303.0	274.6	287.7	300.8	296.4
70°	241.9	231.0	257.2	268.1	263.7
72.5°	187.4	194.0	226.7	239.8	233.2
75°	143.9	163.5	204.9	215.8	209.2
77.5°	102.4	137.3	185.3	194.0	187.4
80°	71.9	115.5	167.8	176.5	170.0
82.5°	45.8	98.1	152.6	161.3	156.9
85°	26.2	82.8	139.5	148.2	143.9
87.5°	13.1	71.9	126.4	137.3	133.0
90°	0.0	61.0	117.7	128.6	124.2
92.5°	0.0	54.5	109.0	119.9	115.5
95°	0.0	48.0	100.3	111.2	109.0
97.5°	0.0	43.6	93.7	104.6	100.3
100°	0.0	37.1	85.0	95.9	93.7
102.5°	0.0	34.9	78.5	89.4	87.2
105°	0.0	30.5	71.9	82.8	82.8
107.5°	0.0	28.3	67.6	78.5	76.3
110°	0.0	24.0	61.0	71.9	71.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.8	56.7	67.6	65.4
115°	0.0	19.6	52.3	63.2	61.0
117.5°	0.0	19.6	48.0	56.7	56.7
120°	0.0	17.4	43.6	52.3	52.3
122.5°	0.0	15.3	39.2	48.0	48.0
125°	0.0	13.1	34.9	43.6	43.6
127.5°	0.0	13.1	32.7	41.4	41.4
130°	0.0	10.9	28.3	37.1	37.1
132.5°	0.0	8.7	26.2	32.7	32.7
135°	0.0	8.7	24.0	30.5	30.5
137.5°	0.0	6.5	19.6	26.2	26.2
140°	0.0	6.5	17.4	24.0	24.0
142.5°	0.0	4.4	15.3	21.8	19.6
145°	0.0	4.4	13.1	17.4	17.4
147.5°	0.0	2.2	10.9	15.3	15.3
150°	0.0	2.2	8.7	13.1	10.9
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)