

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: P218080

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-41SL-LC-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4261.0 lumens  
Efficiency: N/A  
Efficacy: 139.2 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

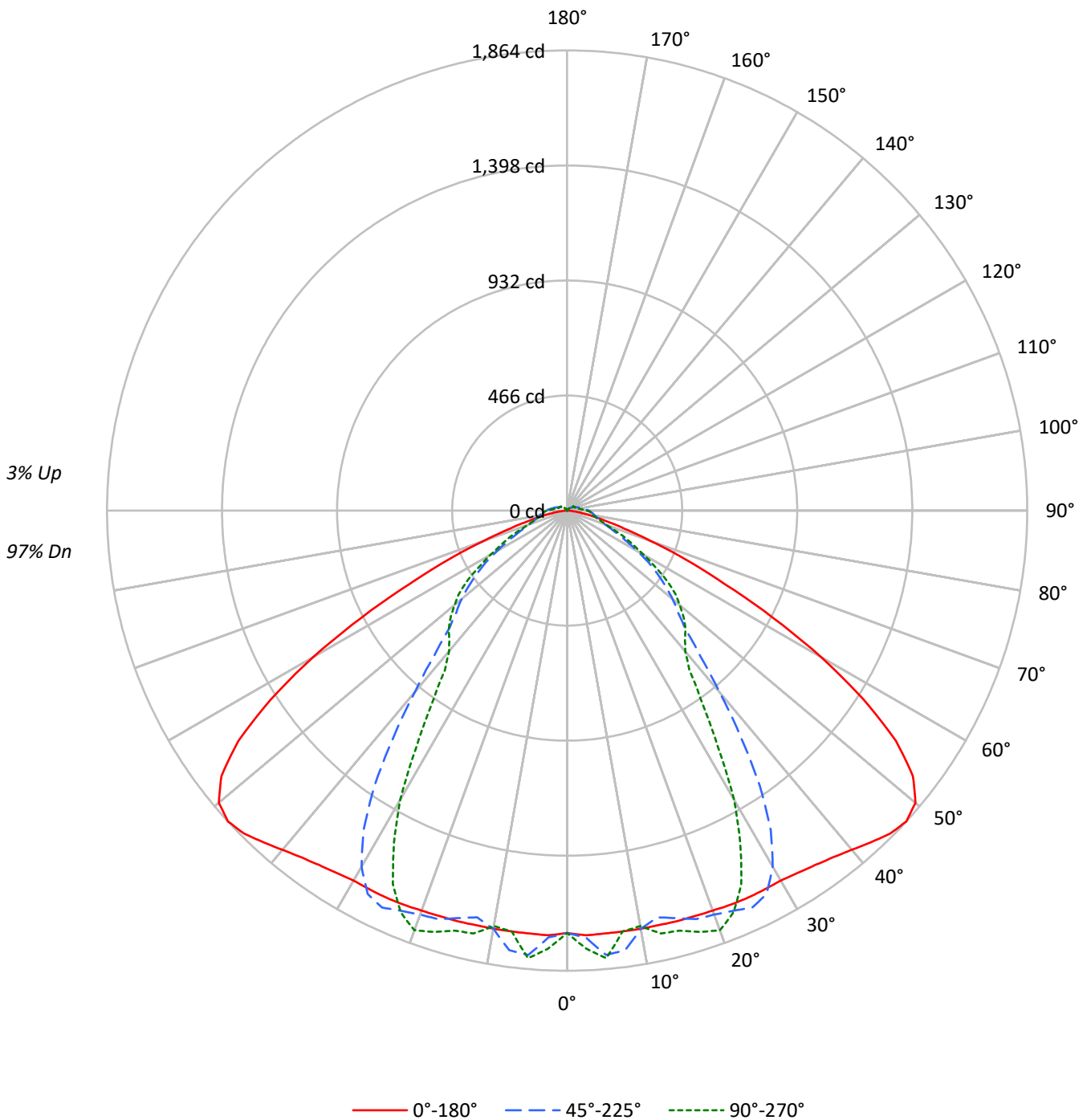
Input Watts (W): 30.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

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

	0°	45°	90°
0°	27570	27570	27570
5°	27715	27457	27070
10°	27932	24903	23769
15°	28407	23807	23172
20°	29122	23549	22744
25°	30182	23479	20244
30°	31442	21740	15941
35°	33493	17651	11046
40°	36457	12467	8502
45°	40479	8867	7724
50°	43983	7449	6805
55°	43109	6117	5674
60°	35767	4629	4242
65°	24713	3351	3119
70°	15384	2547	2137
75°	8688	2172	1692
80°	4907	2031	1455
85°	2178	1969	1459



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.2	3.9
10°-20°	495.4	11.6
20°-30°	787.1	18.5
30°-40°	848.7	19.9
40°-50°	731.5	17.2
50°-60°	553.8	13.0
60°-70°	299.2	7.0
70°-80°	142.1	3.3
80°-90°	89.2	2.1
90°-100°	56.8	1.3
100°-110°	36.3	0.9
110°-120°	24.3	0.6
120°-130°	16.0	0.4
130°-140°	7.9	0.2
140°-150°	3.3	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1450.6	34.0
0°-40°	2299.3	54.0
0°-60°	3584.6	84.1
0°-90°	4115.0	96.6
90°-120°	117.4	2.8
90°-150°	144.7	3.4
90°-180°	146.0	3.4
0°-180°	4261.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1711	1711	1711	1711	1711	
5°	1720	1757	1807	1831	1820	164
15°	1722	1768	1709	1768	1761	488
25°	1731	1698	1774	1726	1670	800
35°	1752	1687	1360	1040	955	1104
45°	1850	1160	676	669	678	1425
55°	1626	501	447	488	490	1414
65°	706	214	227	255	257	725
75°	161	111	131	131	129	190
85°	17	68	100	100	98	25
90°	0	52	87	85	78	1
95°	0	41	70	63	59	0
105°	0	26	48	44	39	0
115°	0	15	33	33	33	0
125°	0	9	22	28	26	0
135°	0	4	13	15	15	0
145°	0	2	6	9	6	0
155°	0	2	2	4	2	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°	1711.0	1711.0	1711.0	1711.0	1711.0
2.5°	1721.9	1724.1	1730.6	1763.3	1776.4
5°	1719.7	1756.8	1806.9	1830.9	1820.0
7.5°	1719.7	1796.0	1796.0	1750.3	1719.7
10°	1719.7	1817.8	1719.7	1711.0	1708.8
12.5°	1719.7	1804.8	1687.1	1748.1	1754.6
15°	1721.9	1767.7	1708.8	1767.7	1761.2
17.5°	1721.9	1724.1	1735.0	1780.8	1789.5
20°	1724.1	1695.8	1741.5	1815.7	1809.1
22.5°	1728.5	1691.4	1754.6	1800.4	1761.2
25°	1730.6	1698.0	1774.2	1726.3	1669.6
27.5°	1730.6	1706.7	1750.3	1612.9	1519.2
30°	1730.6	1711.0	1665.3	1456.0	1351.4
32.5°	1739.4	1706.7	1534.5	1251.1	1137.8
35°	1752.4	1687.1	1360.1	1039.7	954.7
37.5°	1769.9	1634.7	1155.2	869.7	813.0
40°	1793.9	1521.4	959.0	760.7	743.3
42.5°	1822.2	1355.7	797.8	706.2	706.2
45°	1850.5	1159.6	675.7	669.2	677.9
47.5°	1863.6	967.8	608.1	632.1	640.8
50°	1841.8	789.0	558.0	590.7	595.0
52.5°	1765.5	629.9	501.3	540.6	551.5
55°	1626.0	501.3	446.8	488.2	490.4
57.5°	1423.3	398.9	390.2	422.9	420.7
60°	1190.1	322.6	326.9	359.6	359.6
62.5°	939.4	261.6	274.6	303.0	300.8
65°	706.2	213.6	226.7	255.0	257.2
67.5°	520.9	176.6	191.8	211.4	207.1
70°	364.0	148.2	163.5	174.4	170.0
72.5°	241.9	126.4	143.9	148.2	146.0
75°	161.3	111.2	130.8	130.8	128.6
77.5°	104.6	98.1	122.1	119.9	115.5
80°	65.4	87.2	113.3	109.0	104.6
82.5°	39.2	76.3	106.8	102.4	98.1
85°	17.4	67.6	100.3	100.3	98.1
87.5°	6.5	61.0	93.7	95.9	91.5
90°	0.0	52.3	87.2	85.0	78.5
92.5°	0.0	48.0	78.5	71.9	67.6
95°	0.0	41.4	69.7	63.2	58.9
97.5°	0.0	37.1	63.2	56.7	52.3
100°	0.0	32.7	56.7	50.1	45.8
102.5°	0.0	28.3	52.3	45.8	43.6
105°	0.0	26.2	48.0	43.6	39.2
107.5°	0.0	24.0	43.6	39.2	37.1
110°	0.0	19.6	39.2	37.1	34.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.4	34.9	34.9	34.9
115°	0.0	15.3	32.7	32.7	32.7
117.5°	0.0	13.1	28.3	32.7	32.7
120°	0.0	13.1	26.2	30.5	30.5
122.5°	0.0	10.9	24.0	30.5	30.5
125°	0.0	8.7	21.8	28.3	26.2
127.5°	0.0	6.5	19.6	24.0	24.0
130°	0.0	6.5	17.4	21.8	19.6
132.5°	0.0	4.4	15.3	17.4	17.4
135°	0.0	4.4	13.1	15.3	15.3
137.5°	0.0	4.4	10.9	13.1	10.9
140°	0.0	2.2	8.7	10.9	8.7
142.5°	0.0	2.2	8.7	10.9	8.7
145°	0.0	2.2	6.5	8.7	6.5
147.5°	0.0	2.2	4.4	6.5	6.5
150°	0.0	2.2	4.4	6.5	4.4
152.5°	0.0	2.2	4.4	4.4	2.2
155°	0.0	2.2	2.2	4.4	2.2
157.5°	0.0	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	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)