

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: P218084

Luminaire Tested: **4SNLED-LD5-46SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218084
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-LD5-46SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4708.0 lumens
Efficiency: N/A
Efficacy: 136.1 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

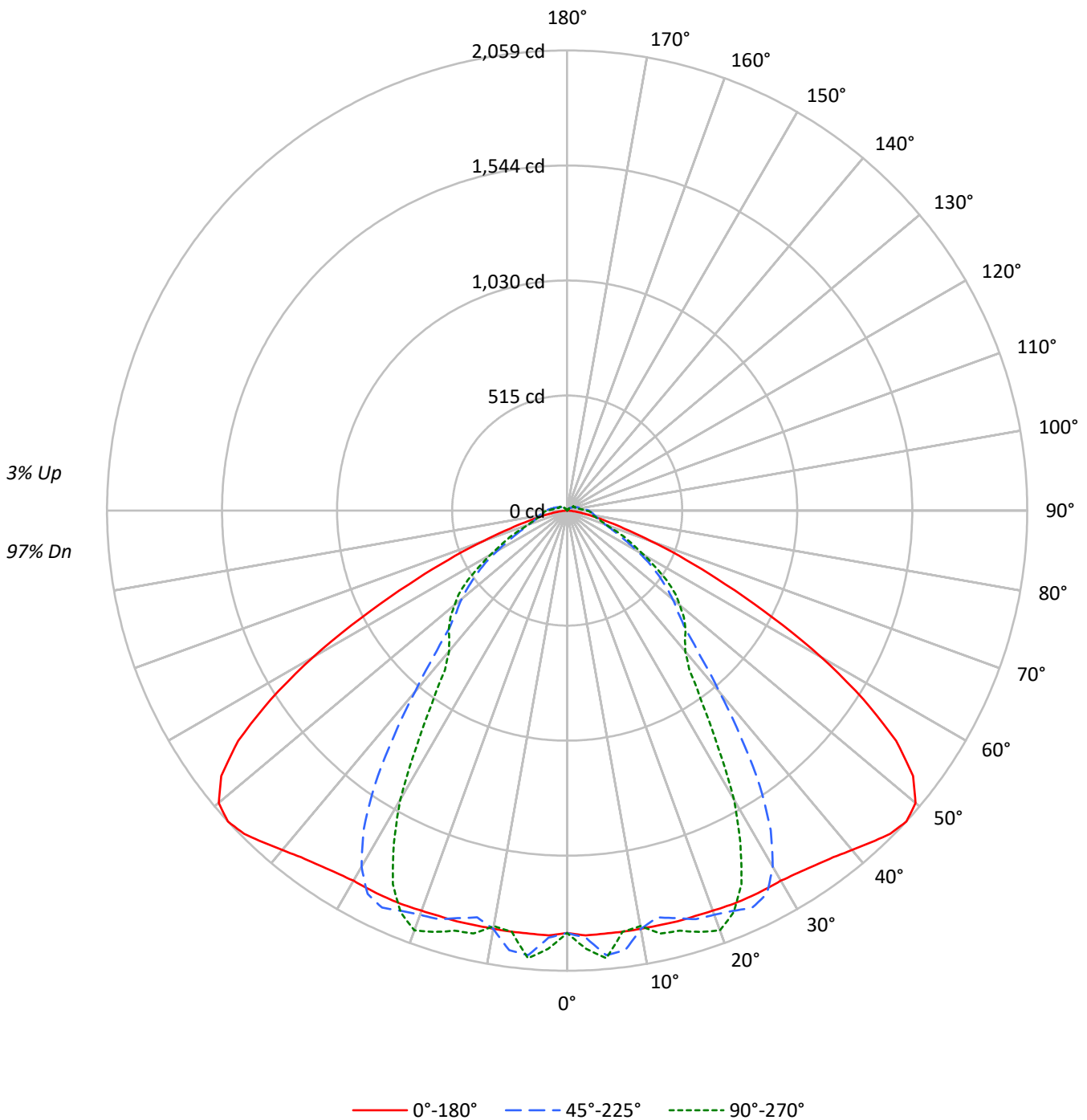
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30463	30463	30463
5°	30624	30339	29910
10°	30864	27517	26263
15°	31388	26305	25602
20°	32178	26020	25130
25°	33349	25943	22369
30°	34742	24019	17614
35°	37007	19503	12204
40°	40280	13776	9393
45°	44728	9797	8534
50°	48596	8230	7520
55°	47632	6759	6270
60°	39518	5115	4688
65°	27307	3702	3446
70°	16999	2814	2361
75°	9599	2400	1870
80°	5417	2244	1608
85°	2416	2175	1612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	3.9
10°-20°	547.3	11.6
20°-30°	869.7	18.5
30°-40°	937.7	19.9
40°-50°	808.2	17.2
50°-60°	611.9	13.0
60°-70°	330.6	7.0
70°-80°	157.0	3.3
80°-90°	98.6	2.1
90°-100°	62.7	1.3
100°-110°	40.1	0.9
110°-120°	26.9	0.6
120°-130°	17.7	0.4
130°-140°	8.7	0.2
140°-150°	3.7	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1602.8	34.0
0°-40°	2540.5	54.0
0°-60°	3960.6	84.1
0°-90°	4546.7	96.6
90°-120°	129.7	2.8
90°-150°	159.8	3.4
90°-180°	161.0	3.4
0°-180°	4708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1900	1941	1996	2023	2011	181
15°	1903	1953	1888	1953	1946	539
25°	1912	1876	1960	1907	1845	884
35°	1936	1864	1503	1149	1055	1220
45°	2045	1281	747	739	749	1574
55°	1797	554	494	540	542	1563
65°	780	236	250	282	284	801
75°	178	123	144	144	142	210
85°	19	75	111	111	108	28
90°	0	58	96	94	87	1
95°	0	46	77	70	65	0
105°	0	29	53	48	43	0
115°	0	17	36	36	36	0
125°	0	10	24	31	29	0
135°	0	5	14	17	17	0
145°	0	2	7	10	7	0
155°	0	2	2	5	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°	1890.5	1890.5	1890.5	1890.5	1890.5
2.5°	1902.6	1905.0	1912.2	1948.3	1962.8
5°	1900.2	1941.1	1996.5	2023.0	2010.9
7.5°	1900.2	1984.4	1984.4	1933.9	1900.2
10°	1900.2	2008.5	1900.2	1890.5	1888.1
12.5°	1900.2	1994.1	1864.0	1931.5	1938.7
15°	1902.6	1953.1	1888.1	1953.1	1945.9
17.5°	1902.6	1905.0	1917.0	1967.6	1977.2
20°	1905.0	1873.7	1924.2	2006.1	1998.9
22.5°	1909.8	1868.8	1938.7	1989.3	1945.9
25°	1912.2	1876.1	1960.4	1907.4	1844.8
27.5°	1912.2	1885.7	1933.9	1782.1	1678.6
30°	1912.2	1890.5	1839.9	1608.8	1493.2
32.5°	1921.8	1885.7	1695.5	1382.4	1257.1
35°	1936.3	1864.0	1502.8	1148.8	1054.8
37.5°	1955.5	1806.2	1276.4	960.9	898.3
40°	1982.0	1681.0	1059.7	840.5	821.2
42.5°	2013.3	1498.0	881.4	780.3	780.3
45°	2044.7	1281.2	746.6	739.4	749.0
47.5°	2059.1	1069.3	671.9	698.4	708.0
50°	2035.0	871.8	616.5	652.7	657.5
52.5°	1950.7	696.0	553.9	597.3	609.3
55°	1796.6	553.9	493.7	539.5	541.9
57.5°	1572.6	440.7	431.1	467.2	464.8
60°	1314.9	356.4	361.2	397.4	397.4
62.5°	1038.0	289.0	303.4	334.8	332.3
65°	780.3	236.0	250.5	281.8	284.2
67.5°	575.6	195.1	211.9	233.6	228.8
70°	402.2	163.8	180.6	192.7	187.8
72.5°	267.3	139.7	158.9	163.8	161.4
75°	178.2	122.8	144.5	144.5	142.1
77.5°	115.6	108.4	134.9	132.5	127.6
80°	72.2	96.3	125.2	120.4	115.6
82.5°	43.3	84.3	118.0	113.2	108.4
85°	19.3	74.7	110.8	110.8	108.4
87.5°	7.2	67.4	103.6	106.0	101.1
90°	0.0	57.8	96.3	93.9	86.7
92.5°	0.0	53.0	86.7	79.5	74.7
95°	0.0	45.8	77.1	69.8	65.0
97.5°	0.0	40.9	69.8	62.6	57.8
100°	0.0	36.1	62.6	55.4	50.6
102.5°	0.0	31.3	57.8	50.6	48.2
105°	0.0	28.9	53.0	48.2	43.3
107.5°	0.0	26.5	48.2	43.3	40.9
110°	0.0	21.7	43.3	40.9	38.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.3	38.5	38.5	38.5
115°	0.0	16.9	36.1	36.1	36.1
117.5°	0.0	14.4	31.3	36.1	36.1
120°	0.0	14.4	28.9	33.7	33.7
122.5°	0.0	12.0	26.5	33.7	33.7
125°	0.0	9.6	24.1	31.3	28.9
127.5°	0.0	7.2	21.7	26.5	26.5
130°	0.0	7.2	19.3	24.1	21.7
132.5°	0.0	4.8	16.9	19.3	19.3
135°	0.0	4.8	14.4	16.9	16.9
137.5°	0.0	4.8	12.0	14.4	12.0
140°	0.0	2.4	9.6	12.0	9.6
142.5°	0.0	2.4	9.6	12.0	9.6
145°	0.0	2.4	7.2	9.6	7.2
147.5°	0.0	2.4	4.8	7.2	7.2
150°	0.0	2.4	4.8	7.2	4.8
152.5°	0.0	2.4	4.8	4.8	2.4
155°	0.0	2.4	2.4	4.8	2.4
157.5°	0.0	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	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)