

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: P218204

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218204
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-LD5-46SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4570.0 lumens
Efficiency: N/A
Efficacy: 132.1 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

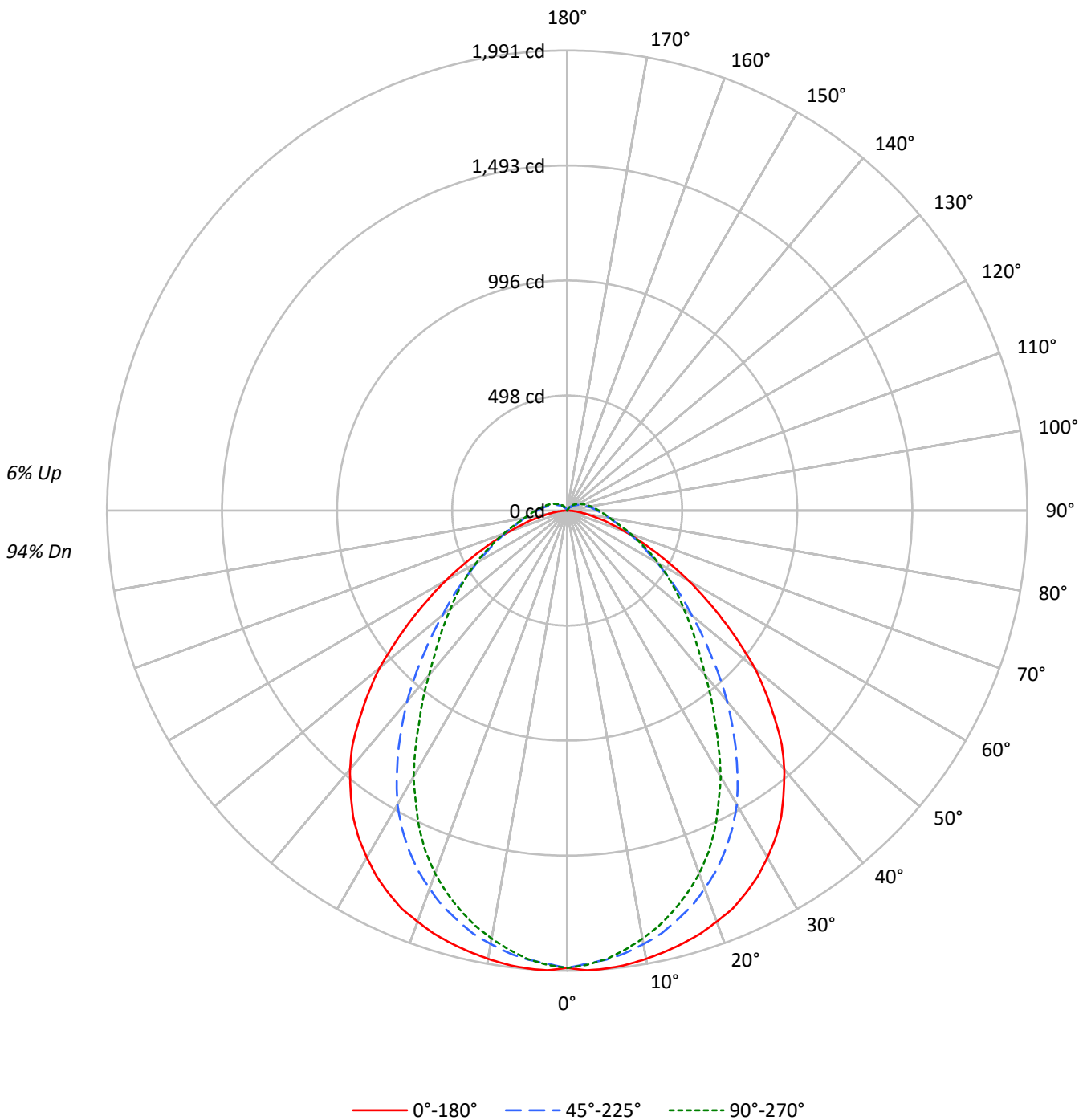
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	31892	31892	31892
5°	32052	29637	28973
10°	31990	27580	26156
15°	31975	25561	23536
20°	31966	23540	21008
25°	31871	21444	18364
30°	31497	19173	15678
35°	30878	16529	12898
40°	29702	13992	10630
45°	27757	11500	8916
50°	25299	9386	7518
55°	21767	7746	6407
60°	18234	6341	5368
65°	14491	5266	4438
70°	11297	4426	3662
75°	8559	3758	3041
80°	5965	3323	2612
85°	3617	3025	2363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	4.1
10°-20°	522.2	11.4
20°-30°	756.2	16.5
30°-40°	823.0	18.0
40°-50°	730.9	16.0
50°-60°	556.4	12.2
60°-70°	369.4	8.1
70°-80°	225.1	4.9
80°-90°	139.5	3.1
90°-100°	95.3	2.1
100°-110°	66.9	1.5
110°-120°	45.5	1.0
120°-130°	28.9	0.6
130°-140°	16.4	0.4
140°-150°	7.7	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1464.5	32.0
0°-40°	2287.5	50.1
0°-60°	3574.8	78.2
0°-90°	4308.8	94.3
90°-120°	207.7	4.5
90°-150°	260.7	5.7
90°-180°	261.0	5.7
0°-180°	4570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1979	1979	1979	1979	1979	
5°	1989	1977	1950	1960	1948	189
15°	1938	1904	1835	1813	1789	548
25°	1828	1746	1620	1555	1514	841
35°	1616	1471	1274	1163	1115	1006
45°	1269	1079	876	802	782	977
55°	821	667	566	556	554	736
65°	414	356	356	371	366	418
75°	159	181	226	238	231	172
85°	29	92	154	164	159	34
90°	0	67	130	142	137	2
95°	0	53	111	123	120	0
105°	0	34	80	92	92	0
115°	0	22	58	70	67	0
125°	0	14	38	48	48	0
135°	0	10	26	34	34	0
145°	0	5	14	19	19	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°	1979.2	1979.2	1979.2	1979.2	1979.2
2.5°	1991.2	1981.6	1962.3	1974.3	1967.1
5°	1988.8	1976.7	1950.3	1959.9	1947.9
7.5°	1981.6	1967.1	1931.0	1935.8	1916.6
10°	1969.5	1950.3	1904.5	1899.7	1880.4
12.5°	1955.1	1931.0	1875.6	1858.8	1839.5
15°	1938.2	1904.5	1834.7	1813.0	1788.9
17.5°	1919.0	1873.2	1793.8	1760.1	1733.6
20°	1892.5	1837.1	1740.8	1699.9	1671.0
22.5°	1866.0	1793.8	1685.4	1630.0	1598.7
25°	1827.5	1745.6	1620.4	1555.4	1514.5
27.5°	1784.1	1690.2	1548.2	1463.9	1418.2
30°	1733.6	1625.2	1468.7	1370.0	1329.1
32.5°	1678.2	1553.0	1372.4	1266.5	1220.7
35°	1615.6	1471.1	1273.7	1162.9	1114.8
37.5°	1538.5	1382.0	1175.0	1061.8	1023.3
40°	1461.5	1288.1	1076.3	970.3	929.4
42.5°	1374.8	1184.6	975.1	878.8	849.9
45°	1268.9	1078.7	876.4	801.8	782.5
47.5°	1165.3	970.3	787.3	734.4	717.5
50°	1059.4	864.4	703.1	669.3	657.3
52.5°	936.6	760.8	633.2	611.6	606.7
55°	821.0	666.9	565.8	556.2	553.8
57.5°	710.3	577.9	503.2	510.4	505.6
60°	606.7	496.0	447.8	457.5	455.1
62.5°	505.6	421.4	397.3	416.5	411.7
65°	414.1	356.3	356.3	370.8	366.0
67.5°	334.7	303.4	317.8	332.3	327.5
70°	267.3	255.2	284.1	296.2	291.3
72.5°	207.1	214.3	250.4	264.9	257.6
75°	158.9	180.6	226.3	238.4	231.1
77.5°	113.2	151.7	204.7	214.3	207.1
80°	79.5	127.6	185.4	195.0	187.8
82.5°	50.6	108.3	168.5	178.2	173.4
85°	28.9	91.5	154.1	163.7	158.9
87.5°	14.4	79.5	139.6	151.7	146.9
90°	0.0	67.4	130.0	142.1	137.2
92.5°	0.0	60.2	120.4	132.4	127.6
95°	0.0	53.0	110.8	122.8	120.4
97.5°	0.0	48.2	103.5	115.6	110.8
100°	0.0	40.9	93.9	105.9	103.5
102.5°	0.0	38.5	86.7	98.7	96.3
105°	0.0	33.7	79.5	91.5	91.5
107.5°	0.0	31.3	74.6	86.7	84.3
110°	0.0	26.5	67.4	79.5	79.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.1	62.6	74.6	72.2
115°	0.0	21.7	57.8	69.8	67.4
117.5°	0.0	21.7	53.0	62.6	62.6
120°	0.0	19.3	48.2	57.8	57.8
122.5°	0.0	16.9	43.3	53.0	53.0
125°	0.0	14.4	38.5	48.2	48.2
127.5°	0.0	14.4	36.1	45.7	45.7
130°	0.0	12.0	31.3	40.9	40.9
132.5°	0.0	9.6	28.9	36.1	36.1
135°	0.0	9.6	26.5	33.7	33.7
137.5°	0.0	7.2	21.7	28.9	28.9
140°	0.0	7.2	19.3	26.5	26.5
142.5°	0.0	4.8	16.9	24.1	21.7
145°	0.0	4.8	14.4	19.3	19.3
147.5°	0.0	2.4	12.0	16.9	16.9
150°	0.0	2.4	9.6	14.4	12.0
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)