

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: P218206

Luminaire Tested: **4SNLED-LD5-46SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218206
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5043.0 lumens
Efficiency: N/A
Efficacy: 145.8 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

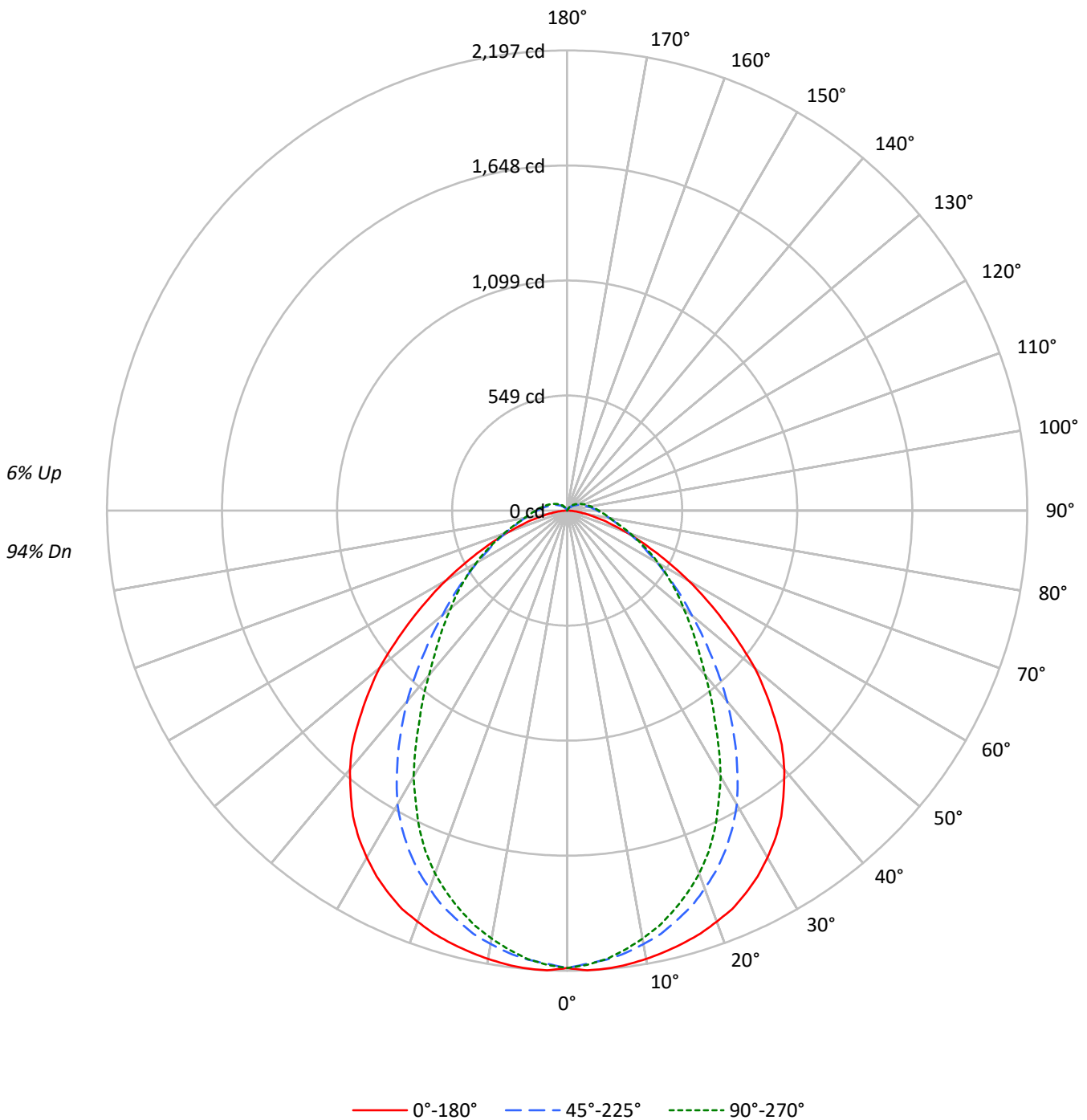
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35192	35192	35192
5°	35369	32703	31971
10°	35302	30434	28864
15°	35285	28207	25973
20°	35275	25976	23181
25°	35169	23663	20264
30°	34756	21157	17300
35°	34074	18240	14233
40°	32777	15440	11730
45°	30629	12690	9839
50°	27918	10356	8296
55°	24020	8548	7070
60°	20121	6998	5924
65°	15993	5812	4897
70°	12464	4884	4042
75°	9448	4148	3356
80°	6580	3667	2882
85°	3993	3337	2609



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.3	4.1
10°-20°	576.3	11.4
20°-30°	834.5	16.5
30°-40°	908.2	18.0
40°-50°	806.6	16.0
50°-60°	614.0	12.2
60°-70°	407.6	8.1
70°-80°	248.4	4.9
80°-90°	153.9	3.1
90°-100°	105.1	2.1
100°-110°	73.8	1.5
110°-120°	50.3	1.0
120°-130°	31.9	0.6
130°-140°	18.1	0.4
140°-150°	8.5	0.2
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1616.0	32.0
0°-40°	2524.2	50.1
0°-60°	3944.8	78.2
0°-90°	4754.8	94.3
90°-120°	229.2	4.5
90°-150°	287.7	5.7
90°-180°	288.0	5.7
0°-180°	5043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	2195	2181	2152	2163	2150	209
15°	2139	2102	2025	2001	1974	604
25°	2017	1926	1788	1716	1671	929
35°	1783	1623	1406	1283	1230	1111
45°	1400	1190	967	885	864	1078
55°	906	736	624	614	611	813
65°	457	393	393	409	404	461
75°	175	199	250	263	255	190
85°	32	101	170	181	175	38
90°	0	74	144	157	151	2
95°	0	58	122	136	133	0
105°	0	37	88	101	101	0
115°	0	24	64	77	74	0
125°	0	16	42	53	53	0
135°	0	11	29	37	37	0
145°	0	5	16	21	21	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°	2184.0	2184.0	2184.0	2184.0	2184.0
2.5°	2197.3	2186.7	2165.4	2178.7	2170.7
5°	2194.6	2181.3	2152.1	2162.7	2149.5
7.5°	2186.7	2170.7	2130.9	2136.2	2114.9
10°	2173.4	2152.1	2101.6	2096.3	2075.1
12.5°	2157.4	2130.9	2069.8	2051.2	2029.9
15°	2138.8	2101.6	2024.6	2000.7	1974.1
17.5°	2117.6	2067.1	1979.4	1942.2	1913.0
20°	2088.4	2027.2	1921.0	1875.8	1843.9
22.5°	2059.1	1979.4	1859.9	1798.7	1764.2
25°	2016.6	1926.3	1788.1	1716.4	1671.2
27.5°	1968.8	1865.2	1708.4	1615.4	1564.9
30°	1913.0	1793.4	1620.7	1511.8	1466.6
32.5°	1851.9	1713.7	1514.5	1397.5	1347.1
35°	1782.8	1623.4	1405.5	1283.3	1230.2
37.5°	1697.8	1525.1	1296.6	1171.7	1129.2
40°	1612.8	1421.5	1187.7	1070.7	1025.6
42.5°	1517.1	1307.2	1076.1	969.8	937.9
45°	1400.2	1190.3	967.1	884.8	863.5
47.5°	1286.0	1070.7	868.8	810.4	791.8
50°	1169.1	953.8	775.8	738.6	725.3
52.5°	1033.5	839.6	698.8	674.9	669.5
55°	906.0	736.0	624.4	613.8	611.1
57.5°	783.8	637.7	555.3	563.3	558.0
60°	669.5	547.3	494.2	504.8	502.2
62.5°	558.0	465.0	438.4	459.6	454.3
65°	457.0	393.2	393.2	409.2	403.9
67.5°	369.3	334.8	350.7	366.7	361.3
70°	294.9	281.6	313.5	326.8	321.5
72.5°	228.5	236.5	276.3	292.3	284.3
75°	175.4	199.3	249.8	263.0	255.1
77.5°	124.9	167.4	225.8	236.5	228.5
80°	87.7	140.8	204.6	215.2	207.2
82.5°	55.8	119.6	186.0	196.6	191.3
85°	31.9	101.0	170.0	180.7	175.4
87.5°	15.9	87.7	154.1	167.4	162.1
90°	0.0	74.4	143.5	156.8	151.4
92.5°	0.0	66.4	132.8	146.1	140.8
95°	0.0	58.5	122.2	135.5	132.8
97.5°	0.0	53.1	114.2	127.5	122.2
100°	0.0	45.2	103.6	116.9	114.2
102.5°	0.0	42.5	95.6	108.9	106.3
105°	0.0	37.2	87.7	101.0	101.0
107.5°	0.0	34.5	82.4	95.6	93.0
110°	0.0	29.2	74.4	87.7	87.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.6	69.1	82.4	79.7
115°	0.0	23.9	63.8	77.1	74.4
117.5°	0.0	23.9	58.5	69.1	69.1
120°	0.0	21.3	53.1	63.8	63.8
122.5°	0.0	18.6	47.8	58.5	58.5
125°	0.0	15.9	42.5	53.1	53.1
127.5°	0.0	15.9	39.9	50.5	50.5
130°	0.0	13.3	34.5	45.2	45.2
132.5°	0.0	10.6	31.9	39.9	39.9
135°	0.0	10.6	29.2	37.2	37.2
137.5°	0.0	8.0	23.9	31.9	31.9
140°	0.0	8.0	21.3	29.2	29.2
142.5°	0.0	5.3	18.6	26.6	23.9
145°	0.0	5.3	15.9	21.3	21.3
147.5°	0.0	2.7	13.3	18.6	18.6
150°	0.0	2.7	10.6	15.9	13.3
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)