

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: P218218

Luminaire Tested: **4SNLED-LD5-53SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218218
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-LD5-53SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5946.0 lumens
Efficiency: N/A
Efficacy: 138.9 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

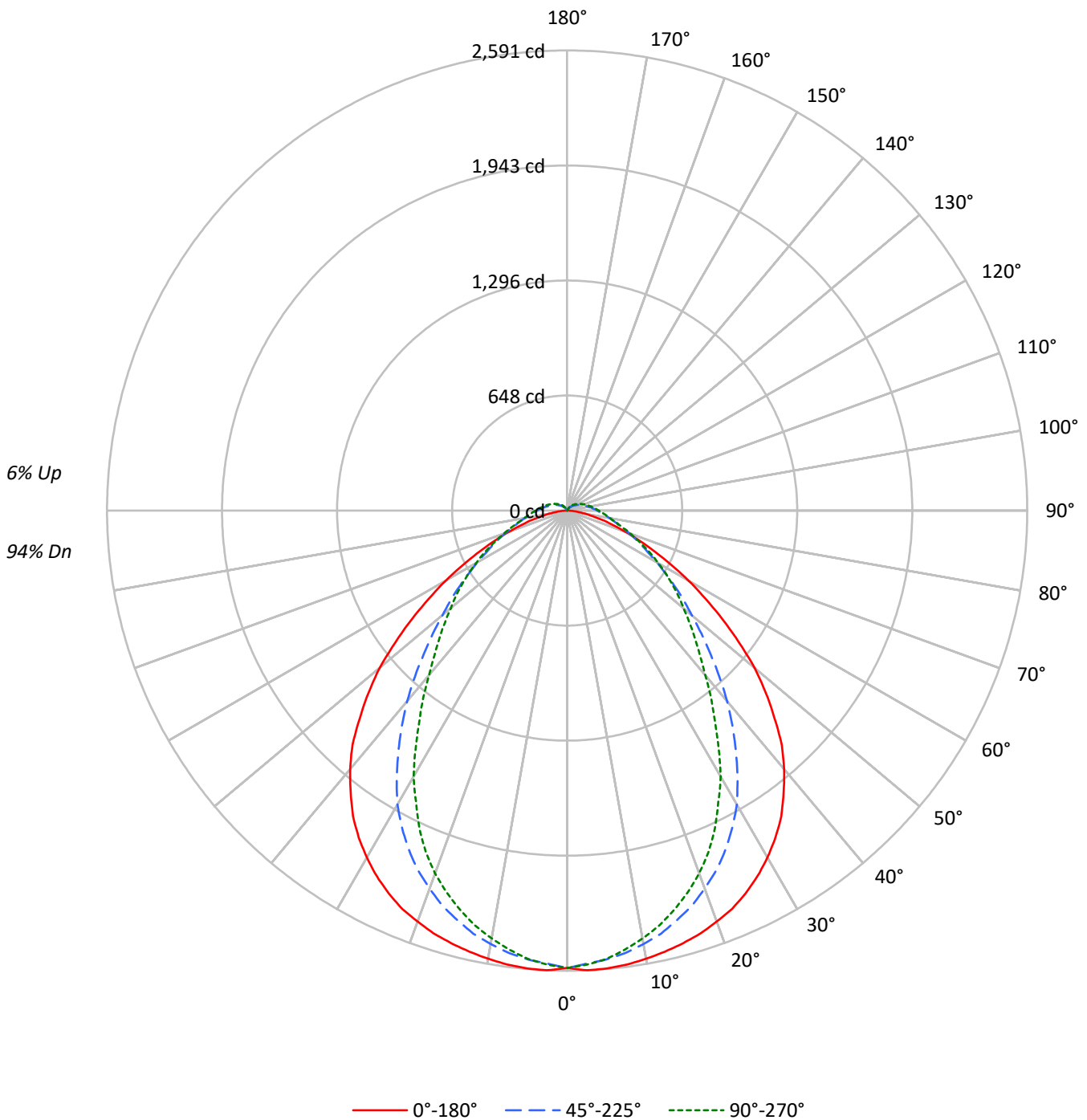
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	41494	41494	41494
5°	41703	38560	37695
10°	41622	35885	34031
15°	41603	33257	30624
20°	41591	30627	27333
25°	41467	27901	23893
30°	40979	24946	20398
35°	40174	21506	16781
40°	38644	18203	13830
45°	36113	14963	11600
50°	32916	12211	9781
55°	28321	10079	8336
60°	23725	8251	6984
65°	18855	6852	5774
70°	14696	5760	4766
75°	11139	4890	3956
80°	7758	4323	3398
85°	4706	3935	3076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	4.1
10°-20°	679.4	11.4
20°-30°	983.9	16.5
30°-40°	1070.8	18.0
40°-50°	951.0	16.0
50°-60°	723.9	12.2
60°-70°	480.6	8.1
70°-80°	292.9	4.9
80°-90°	181.5	3.1
90°-100°	123.9	2.1
100°-110°	87.0	1.5
110°-120°	59.2	1.0
120°-130°	37.6	0.6
130°-140°	21.4	0.4
140°-150°	10.0	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1905.4	32.0
0°-40°	2976.2	50.1
0°-60°	4651.1	78.2
0°-90°	5606.1	94.3
90°-120°	270.2	4.5
90°-150°	339.2	5.7
90°-180°	340.0	5.7
0°-180°	5946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2575	2575	2575	2575	2575	
5°	2588	2572	2538	2550	2534	246
15°	2522	2478	2387	2359	2328	713
25°	2378	2271	2108	2024	1970	1095
35°	2102	1914	1657	1513	1450	1309
45°	1651	1403	1140	1043	1018	1271
55°	1068	868	736	724	720	958
65°	539	464	464	482	476	543
75°	207	235	294	310	301	224
85°	38	119	200	213	207	45
90°	0	88	169	185	179	3
95°	0	69	144	160	157	0
105°	0	44	103	119	119	0
115°	0	28	75	91	88	0
125°	0	19	50	63	63	0
135°	0	12	34	44	44	0
145°	0	6	19	25	25	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°	2575.1	2575.1	2575.1	2575.1	2575.1
2.5°	2590.7	2578.2	2553.1	2568.8	2559.4
5°	2587.6	2571.9	2537.5	2550.0	2534.3
7.5°	2578.2	2559.4	2512.4	2518.7	2493.6
10°	2562.5	2537.5	2478.0	2471.7	2446.6
12.5°	2543.7	2512.4	2440.4	2418.4	2393.4
15°	2521.8	2478.0	2387.1	2358.9	2327.6
17.5°	2496.8	2437.2	2333.9	2290.0	2255.5
20°	2462.3	2390.2	2264.9	2211.7	2174.1
22.5°	2427.8	2333.9	2192.9	2120.8	2080.1
25°	2377.7	2271.2	2108.3	2023.7	1970.5
27.5°	2321.3	2199.1	2014.3	1904.7	1845.2
30°	2255.5	2114.6	1910.9	1782.5	1729.2
32.5°	2183.5	2020.6	1785.6	1647.8	1588.3
35°	2102.0	1914.1	1657.2	1513.1	1450.4
37.5°	2001.8	1798.2	1528.8	1381.5	1331.4
40°	1901.5	1676.0	1400.3	1262.5	1209.2
42.5°	1788.8	1541.3	1268.7	1143.4	1105.8
45°	1650.9	1403.4	1140.3	1043.2	1018.1
47.5°	1516.2	1262.5	1024.4	955.5	933.5
50°	1378.4	1124.6	914.7	870.9	855.2
52.5°	1218.6	989.9	823.9	795.7	789.4
55°	1068.2	867.8	736.2	723.7	720.5
57.5°	924.1	751.8	654.7	664.1	657.9
60°	789.4	645.3	582.7	595.2	592.1
62.5°	657.9	548.2	516.9	542.0	535.7
65°	538.8	463.6	463.6	482.4	476.2
67.5°	435.4	394.7	413.5	432.3	426.0
70°	347.7	332.1	369.7	385.3	379.1
72.5°	269.4	278.8	325.8	344.6	335.2
75°	206.8	235.0	294.5	310.1	300.7
77.5°	147.2	197.4	266.3	278.8	269.4
80°	103.4	166.0	241.2	253.7	244.3
82.5°	65.8	141.0	219.3	231.8	225.6
85°	37.6	119.0	200.5	213.0	206.8
87.5°	18.8	103.4	181.7	197.4	191.1
90°	0.0	87.7	169.2	184.8	178.6
92.5°	0.0	78.3	156.6	172.3	166.0
95°	0.0	68.9	144.1	159.8	156.6
97.5°	0.0	62.7	134.7	150.4	144.1
100°	0.0	53.3	122.2	137.8	134.7
102.5°	0.0	50.1	112.8	128.4	125.3
105°	0.0	43.9	103.4	119.0	119.0
107.5°	0.0	40.7	97.1	112.8	109.6
110°	0.0	34.5	87.7	103.4	103.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.3	81.4	97.1	94.0
115°	0.0	28.2	75.2	90.8	87.7
117.5°	0.0	28.2	68.9	81.4	81.4
120°	0.0	25.1	62.7	75.2	75.2
122.5°	0.0	21.9	56.4	68.9	68.9
125°	0.0	18.8	50.1	62.7	62.7
127.5°	0.0	18.8	47.0	59.5	59.5
130°	0.0	15.7	40.7	53.3	53.3
132.5°	0.0	12.5	37.6	47.0	47.0
135°	0.0	12.5	34.5	43.9	43.9
137.5°	0.0	9.4	28.2	37.6	37.6
140°	0.0	9.4	25.1	34.5	34.5
142.5°	0.0	6.3	21.9	31.3	28.2
145°	0.0	6.3	18.8	25.1	25.1
147.5°	0.0	3.1	15.7	21.9	21.9
150°	0.0	3.1	12.5	18.8	15.7
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)