

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: P218226

Luminaire Tested: **4SNLED-LD5-56SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218226
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-LD5-56SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6374.0 lumens
Efficiency: N/A
Efficacy: 135.3 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

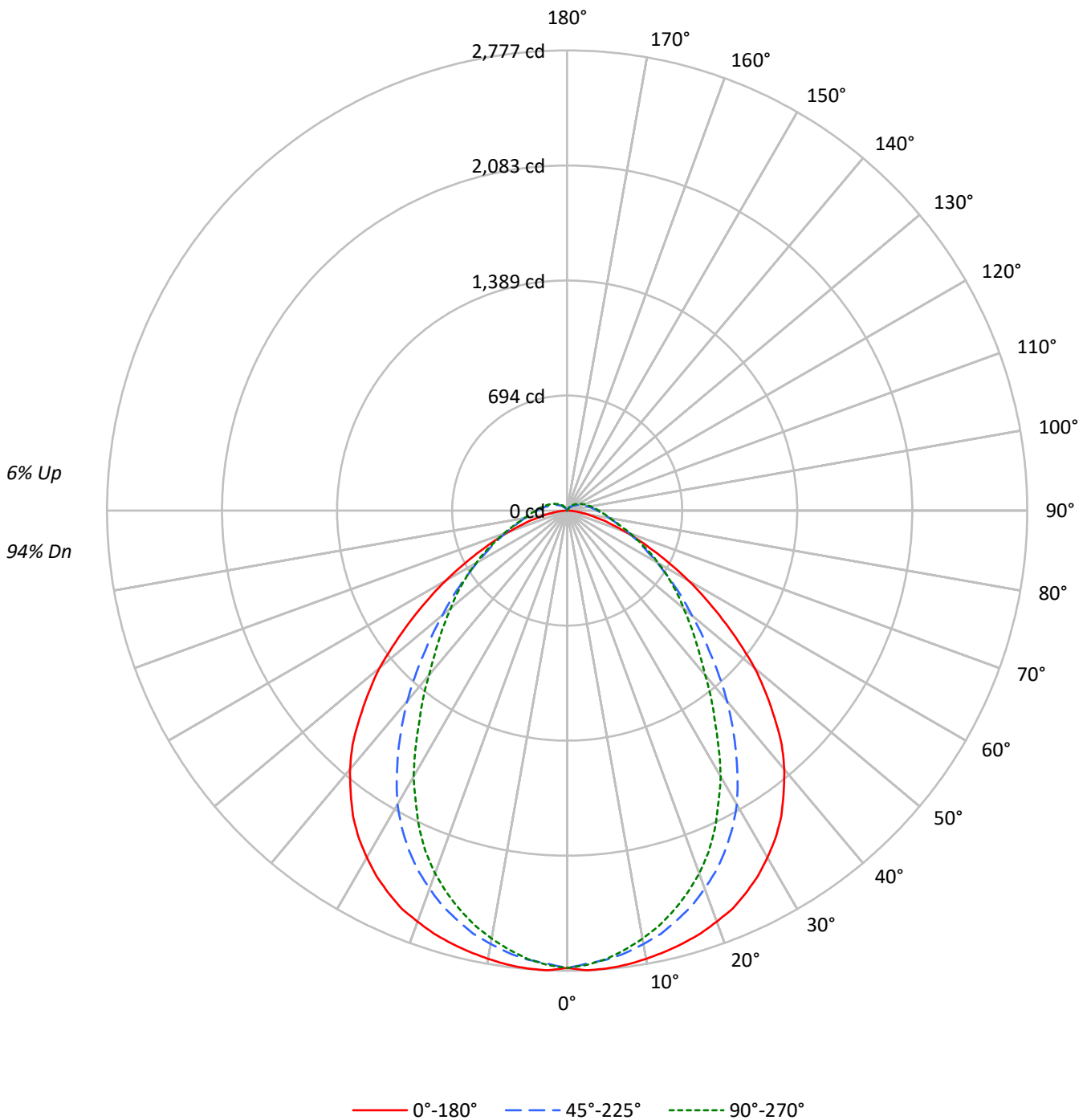
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	44480	44480	44480
5°	44705	41334	40409
10°	44619	38467	36481
15°	44598	35651	32827
20°	44584	32832	29300
25°	44453	29910	25612
30°	43930	26742	21866
35°	43066	23054	17989
40°	41426	19514	14827
45°	38714	16040	12435
50°	35285	13090	10486
55°	30359	10805	8937
60°	25435	8845	7487
65°	20213	7346	6189
70°	15756	6175	5108
75°	11937	5243	4242
80°	8313	4635	3643
85°	5044	4218	3296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.5	4.1
10°-20°	728.3	11.4
20°-30°	1054.7	16.5
30°-40°	1147.9	18.0
40°-50°	1019.5	16.0
50°-60°	776.0	12.2
60°-70°	515.2	8.1
70°-80°	314.0	4.9
80°-90°	194.5	3.1
90°-100°	132.9	2.1
100°-110°	93.2	1.5
110°-120°	63.5	1.0
120°-130°	40.3	0.6
130°-140°	22.9	0.4
140°-150°	10.8	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2042.6	32.0
0°-40°	3190.5	50.1
0°-60°	4985.9	78.2
0°-90°	6009.7	94.3
90°-120°	289.6	4.5
90°-150°	363.6	5.7
90°-180°	364.0	5.7
0°-180°	6374.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2760	2760	2760	2760	2760	
5°	2774	2757	2720	2734	2717	264
15°	2703	2656	2559	2529	2495	764
25°	2549	2435	2260	2169	2112	1174
35°	2253	2052	1776	1622	1555	1404
45°	1770	1504	1222	1118	1091	1363
55°	1145	930	789	776	772	1027
65°	578	497	497	517	510	582
75°	222	252	316	332	322	240
85°	40	128	215	228	222	48
90°	0	94	181	198	191	3
95°	0	74	154	171	168	0
105°	0	47	111	128	128	0
115°	0	30	81	97	94	0
125°	0	20	54	67	67	0
135°	0	13	37	47	47	0
145°	0	7	20	27	27	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°	2760.4	2760.4	2760.4	2760.4	2760.4
2.5°	2777.2	2763.8	2736.9	2753.7	2743.6
5°	2773.9	2757.1	2720.1	2733.6	2716.8
7.5°	2763.8	2743.6	2693.3	2700.0	2673.1
10°	2747.0	2720.1	2656.3	2649.6	2622.7
12.5°	2726.8	2693.3	2616.0	2592.5	2565.7
15°	2703.3	2656.3	2558.9	2528.7	2495.1
17.5°	2676.5	2612.7	2501.8	2454.8	2417.9
20°	2639.5	2562.3	2428.0	2370.9	2330.6
22.5°	2602.6	2501.8	2350.7	2273.5	2229.8
25°	2548.9	2434.7	2260.1	2169.4	2112.3
27.5°	2488.4	2357.4	2159.3	2041.8	1978.0
30°	2417.9	2266.8	2048.5	1910.8	1853.7
32.5°	2340.7	2166.0	1914.2	1766.4	1702.6
35°	2253.3	2051.8	1776.5	1622.0	1554.8
37.5°	2145.9	1927.6	1638.8	1481.0	1427.2
40°	2038.4	1796.6	1501.1	1353.3	1296.3
42.5°	1917.5	1652.2	1360.1	1225.7	1185.4
45°	1769.8	1504.5	1222.4	1118.3	1091.4
47.5°	1625.4	1353.3	1098.1	1024.2	1000.7
50°	1477.6	1205.6	980.6	933.6	916.8
52.5°	1306.3	1061.2	883.2	853.0	846.3
55°	1145.1	930.2	789.2	775.7	772.4
57.5°	990.7	806.0	701.9	711.9	705.2
60°	846.3	691.8	624.6	638.1	634.7
62.5°	705.2	587.7	554.1	581.0	574.2
65°	577.6	497.0	497.0	517.2	510.4
67.5°	466.8	423.1	443.3	463.4	456.7
70°	372.8	356.0	396.3	413.1	406.3
72.5°	288.8	298.9	349.3	369.4	359.3
75°	221.6	251.9	315.7	332.5	322.4
77.5°	157.8	211.6	285.4	298.9	288.8
80°	110.8	178.0	258.6	272.0	261.9
82.5°	70.5	151.1	235.1	248.5	241.8
85°	40.3	127.6	214.9	228.4	221.6
87.5°	20.1	110.8	194.8	211.6	204.8
90°	0.0	94.0	181.3	198.1	191.4
92.5°	0.0	84.0	167.9	184.7	178.0
95°	0.0	73.9	154.5	171.3	167.9
97.5°	0.0	67.2	144.4	161.2	154.5
100°	0.0	57.1	131.0	147.8	144.4
102.5°	0.0	53.7	120.9	137.7	134.3
105°	0.0	47.0	110.8	127.6	127.6
107.5°	0.0	43.7	104.1	120.9	117.5
110°	0.0	36.9	94.0	110.8	110.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.6	87.3	104.1	100.7
115°	0.0	30.2	80.6	97.4	94.0
117.5°	0.0	30.2	73.9	87.3	87.3
120°	0.0	26.9	67.2	80.6	80.6
122.5°	0.0	23.5	60.4	73.9	73.9
125°	0.0	20.1	53.7	67.2	67.2
127.5°	0.0	20.1	50.4	63.8	63.8
130°	0.0	16.8	43.7	57.1	57.1
132.5°	0.0	13.4	40.3	50.4	50.4
135°	0.0	13.4	36.9	47.0	47.0
137.5°	0.0	10.1	30.2	40.3	40.3
140°	0.0	10.1	26.9	36.9	36.9
142.5°	0.0	6.7	23.5	33.6	30.2
145°	0.0	6.7	20.1	26.9	26.9
147.5°	0.0	3.4	16.8	23.5	23.5
150°	0.0	3.4	13.4	20.1	16.8
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)