

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: P218102

Luminaire Tested: **4SNLED-LD5-55HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218102
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-LD5-55HL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6145.0 lumens
Efficiency: N/A
Efficacy: 153.6 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

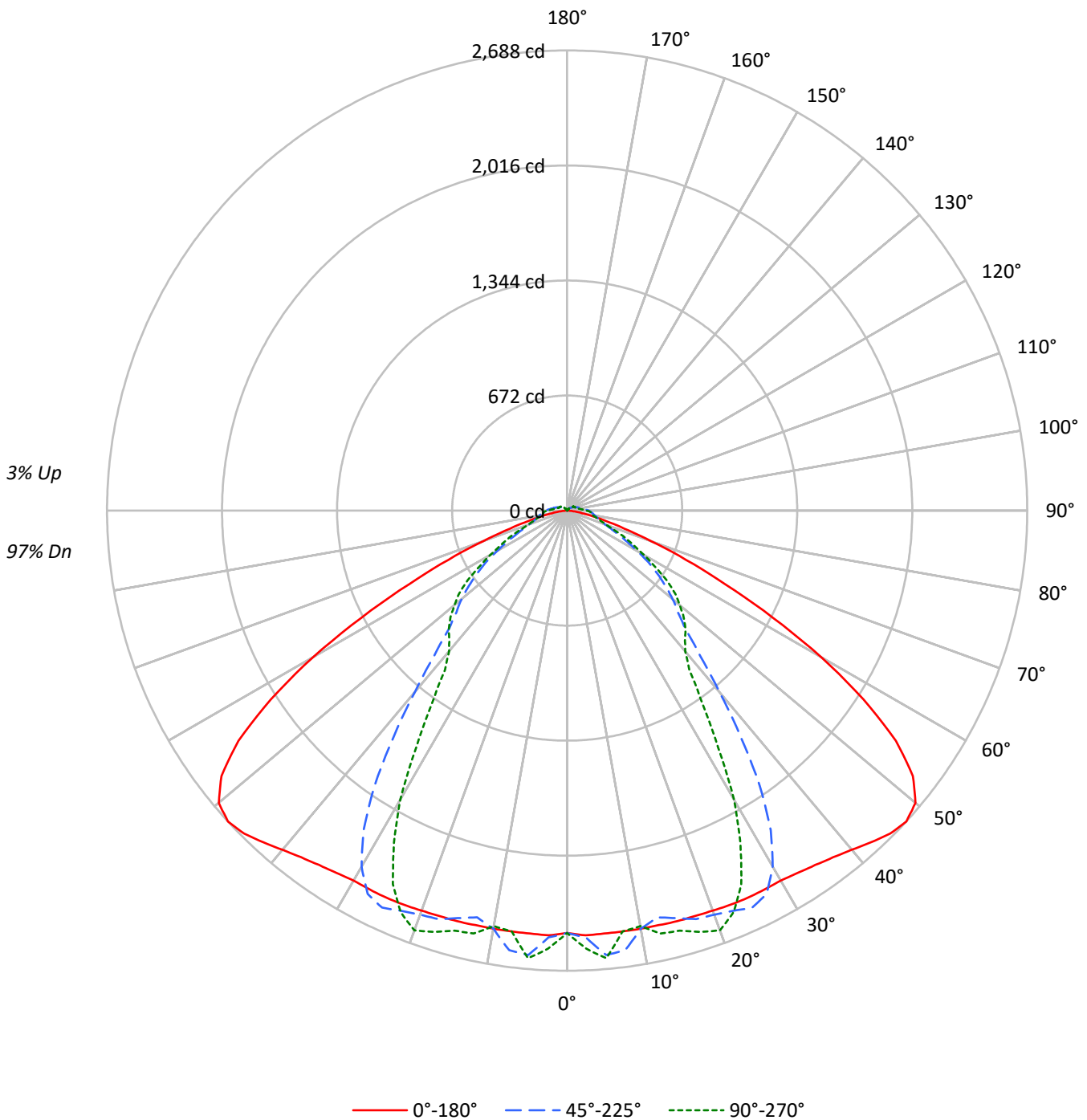
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39762	39762	39762
5°	39970	39599	39040
10°	40283	35915	34279
15°	40968	34334	33417
20°	41998	33963	32800
25°	43527	33861	29195
30°	45345	31350	22989
35°	48303	25455	15929
40°	52575	17980	12260
45°	58377	12787	11139
50°	63431	10742	9815
55°	62172	8822	8183
60°	51582	6677	6119
65°	35642	4832	4497
70°	22185	3674	3083
75°	12529	3132	2441
80°	7075	2930	2099
85°	3141	2838	2105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	3.9
10°-20°	714.4	11.6
20°-30°	1135.1	18.5
30°-40°	1223.9	19.9
40°-50°	1054.9	17.2
50°-60°	798.6	13.0
60°-70°	431.5	7.0
70°-80°	204.9	3.3
80°-90°	128.7	2.1
90°-100°	81.9	1.3
100°-110°	52.4	0.9
110°-120°	35.1	0.6
120°-130°	23.1	0.4
130°-140°	11.3	0.2
140°-150°	4.8	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2092.0	34.0
0°-40°	3316.0	54.0
0°-60°	5169.5	84.1
0°-90°	5934.5	96.6
90°-120°	169.4	2.8
90°-150°	208.6	3.4
90°-180°	210.0	3.4
0°-180°	6145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2480	2534	2606	2640	2625	237
15°	2483	2549	2464	2549	2540	704
25°	2496	2449	2559	2490	2408	1154
35°	2527	2433	1962	1499	1377	1592
45°	2669	1672	974	965	978	2054
55°	2345	723	644	704	707	2040
65°	1018	308	327	368	371	1046
75°	233	160	189	189	186	274
85°	25	97	145	145	142	36
90°	0	75	126	123	113	1
95°	0	60	101	91	85	0
105°	0	38	69	63	57	0
115°	0	22	47	47	47	0
125°	0	13	31	41	38	0
135°	0	6	19	22	22	0
145°	0	3	9	13	9	0
155°	0	3	3	6	3	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°	2467.6	2467.6	2467.6	2467.6	2467.6
2.5°	2483.3	2486.4	2495.8	2543.0	2561.9
5°	2480.1	2533.6	2605.9	2640.4	2624.7
7.5°	2480.1	2590.2	2590.2	2524.1	2480.1
10°	2480.1	2621.6	2480.1	2467.6	2464.4
12.5°	2480.1	2602.7	2433.0	2521.0	2530.4
15°	2483.3	2549.3	2464.4	2549.3	2539.9
17.5°	2483.3	2486.4	2502.1	2568.1	2580.7
20°	2486.4	2445.6	2511.6	2618.4	2609.0
22.5°	2492.7	2439.3	2530.4	2596.4	2539.9
25°	2495.8	2448.7	2558.7	2489.6	2407.8
27.5°	2495.8	2461.3	2524.1	2326.1	2190.9
30°	2495.8	2467.6	2401.5	2099.8	1948.9
32.5°	2508.4	2461.3	2212.9	1804.3	1640.8
35°	2527.3	2433.0	1961.5	1499.4	1376.8
37.5°	2552.4	2357.5	1666.0	1254.2	1172.5
40°	2587.0	2194.1	1383.1	1097.0	1071.9
42.5°	2627.9	1955.2	1150.5	1018.5	1018.5
45°	2668.7	1672.3	974.5	965.0	977.6
47.5°	2687.6	1395.7	877.0	911.6	924.2
50°	2656.2	1137.9	804.7	851.9	858.1
52.5°	2546.1	908.4	723.0	779.6	795.3
55°	2345.0	723.0	644.4	704.1	707.3
57.5°	2052.6	575.2	562.7	609.8	606.7
60°	1716.3	465.2	471.5	518.7	518.7
62.5°	1354.8	377.2	396.1	436.9	433.8
65°	1018.5	308.1	326.9	367.8	370.9
67.5°	751.3	254.6	276.6	304.9	298.6
70°	524.9	213.8	235.8	251.5	245.2
72.5°	348.9	182.3	207.5	213.8	210.6
75°	232.6	160.3	188.6	188.6	185.5
77.5°	150.9	141.5	176.0	172.9	166.6
80°	94.3	125.7	163.5	157.2	150.9
82.5°	56.6	110.0	154.0	147.7	141.5
85°	25.1	97.4	144.6	144.6	141.5
87.5°	9.4	88.0	135.2	138.3	132.0
90°	0.0	75.4	125.7	122.6	113.2
92.5°	0.0	69.2	113.2	103.7	97.4
95°	0.0	59.7	100.6	91.2	84.9
97.5°	0.0	53.4	91.2	81.7	75.4
100°	0.0	47.2	81.7	72.3	66.0
102.5°	0.0	40.9	75.4	66.0	62.9
105°	0.0	37.7	69.2	62.9	56.6
107.5°	0.0	34.6	62.9	56.6	53.4
110°	0.0	28.3	56.6	53.4	50.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.1	50.3	50.3	50.3
115°	0.0	22.0	47.2	47.2	47.2
117.5°	0.0	18.9	40.9	47.2	47.2
120°	0.0	18.9	37.7	44.0	44.0
122.5°	0.0	15.7	34.6	44.0	44.0
125°	0.0	12.6	31.4	40.9	37.7
127.5°	0.0	9.4	28.3	34.6	34.6
130°	0.0	9.4	25.1	31.4	28.3
132.5°	0.0	6.3	22.0	25.1	25.1
135°	0.0	6.3	18.9	22.0	22.0
137.5°	0.0	6.3	15.7	18.9	15.7
140°	0.0	3.1	12.6	15.7	12.6
142.5°	0.0	3.1	12.6	15.7	12.6
145°	0.0	3.1	9.4	12.6	9.4
147.5°	0.0	3.1	6.3	9.4	9.4
150°	0.0	3.1	6.3	9.4	6.3
152.5°	0.0	3.1	6.3	6.3	3.1
155°	0.0	3.1	3.1	6.3	3.1
157.5°	0.0	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	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)