

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: P218101

Luminaire Tested: **4SNLED-LD5-55HL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218101
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5681.0 lumens
Efficiency: N/A
Efficacy: 142.0 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

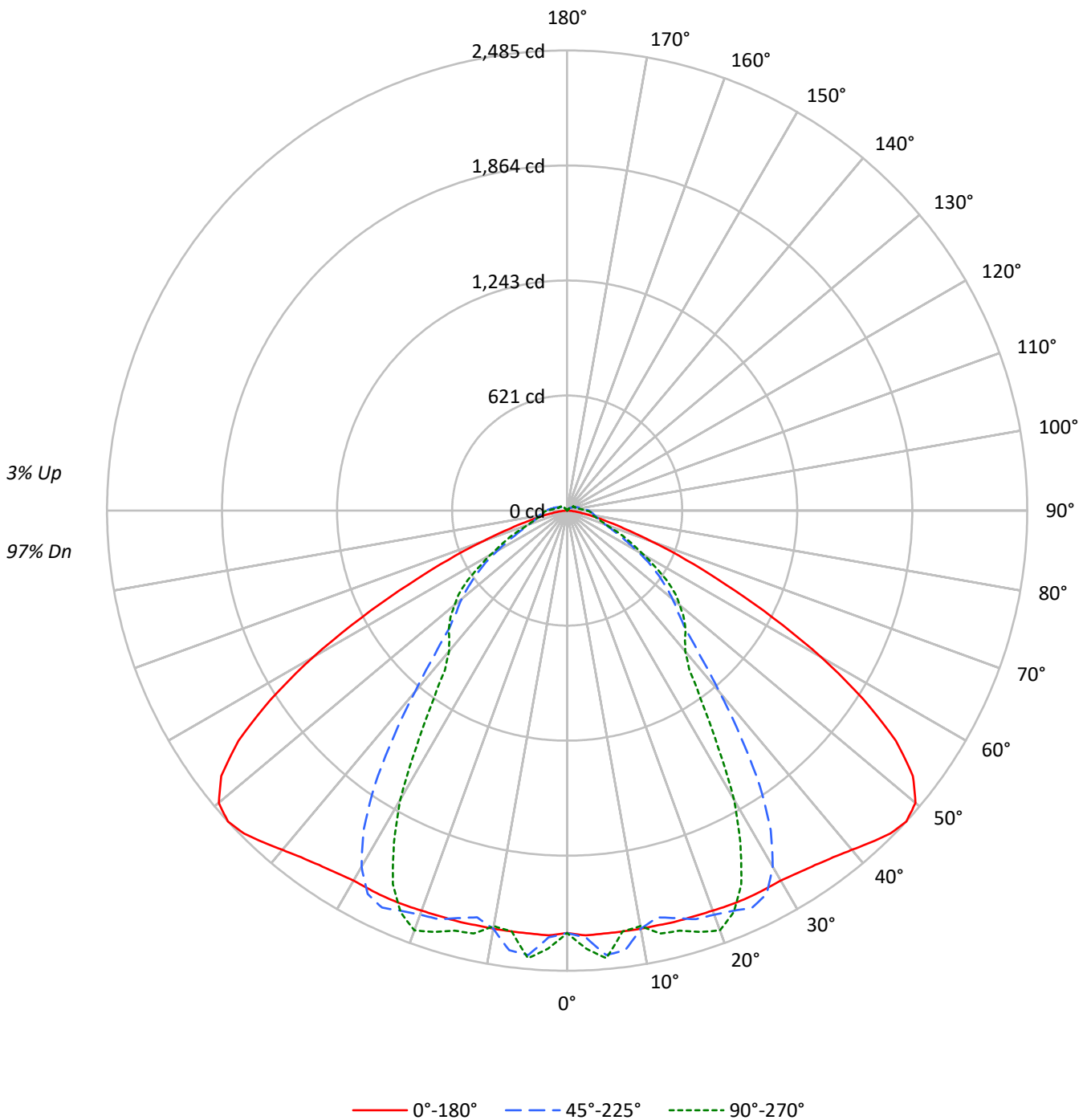
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									70									30									10									0
RW	70	50	30	10	70	50	30	10	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	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	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	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	72	68	64	62													
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	65	60	57	54													
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	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	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	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	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	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	40	34	30	28													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36758	36758	36758
5°	36953	36608	36092
10°	37243	33204	31690
15°	37875	31742	30893
20°	38828	31397	30324
25°	40241	31304	26991
30°	41922	28984	21253
35°	44656	23533	14726
40°	48606	16623	11335
45°	53970	11822	10298
50°	58640	9931	9073
55°	57476	8155	7566
60°	47687	6173	5656
65°	32951	4467	4158
70°	20511	3397	2850
75°	11581	2896	2256
80°	6543	2708	1940
85°	2904	2624	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	3.9
10°-20°	660.4	11.6
20°-30°	1049.4	18.5
30°-40°	1131.5	19.9
40°-50°	975.3	17.2
50°-60°	738.3	13.0
60°-70°	398.9	7.0
70°-80°	189.4	3.3
80°-90°	119.0	2.1
90°-100°	75.7	1.3
100°-110°	48.4	0.9
110°-120°	32.4	0.6
120°-130°	21.4	0.4
130°-140°	10.5	0.2
140°-150°	4.4	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1934.1	34.0
0°-40°	3065.6	54.0
0°-60°	4779.2	84.1
0°-90°	5486.4	96.6
90°-120°	156.5	2.8
90°-150°	192.8	3.4
90°-180°	195.0	3.4
0°-180°	5681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2281	2281	2281	2281	2281	
5°	2293	2342	2409	2441	2426	219
15°	2296	2357	2278	2357	2348	651
25°	2307	2264	2366	2302	2226	1067
35°	2336	2249	1813	1386	1273	1472
45°	2467	1546	901	892	904	1899
55°	2168	668	596	651	654	1886
65°	942	285	302	340	343	967
75°	215	148	174	174	172	253
85°	23	90	134	134	131	34
90°	0	70	116	113	105	1
95°	0	55	93	84	78	0
105°	0	35	64	58	52	0
115°	0	20	44	44	44	0
125°	0	12	29	38	35	0
135°	0	6	17	20	20	0
145°	0	3	9	12	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°	2281.2	2281.2	2281.2	2281.2	2281.2
2.5°	2295.8	2298.7	2307.4	2351.0	2368.4
5°	2292.9	2342.3	2409.1	2441.1	2426.5
7.5°	2292.9	2394.6	2394.6	2333.5	2292.9
10°	2292.9	2423.6	2292.9	2281.2	2278.3
12.5°	2292.9	2406.2	2249.3	2330.6	2339.4
15°	2295.8	2356.8	2278.3	2356.8	2348.1
17.5°	2295.8	2298.7	2313.2	2374.2	2385.9
20°	2298.7	2260.9	2321.9	2420.7	2412.0
22.5°	2304.5	2255.1	2339.4	2400.4	2348.1
25°	2307.4	2263.8	2365.5	2301.6	2226.0
27.5°	2307.4	2275.4	2333.5	2150.5	2025.5
30°	2307.4	2281.2	2220.2	1941.2	1801.7
32.5°	2319.0	2275.4	2045.8	1668.1	1517.0
35°	2336.5	2249.3	1813.4	1386.2	1272.8
37.5°	2359.7	2179.5	1540.2	1159.5	1084.0
40°	2391.7	2028.4	1278.7	1014.2	991.0
42.5°	2429.4	1807.6	1063.6	941.6	941.6
45°	2467.2	1546.0	900.9	892.2	903.8
47.5°	2484.7	1290.3	810.8	842.8	854.4
50°	2455.6	1052.0	743.9	787.5	793.3
52.5°	2353.9	839.8	668.4	720.7	735.2
55°	2167.9	668.4	595.7	651.0	653.9
57.5°	1897.6	531.8	520.2	563.8	560.9
60°	1586.7	430.1	435.9	479.5	479.5
62.5°	1252.5	348.7	366.2	403.9	401.0
65°	941.6	284.8	302.2	340.0	342.9
67.5°	694.5	235.4	255.7	281.9	276.1
70°	485.3	197.6	218.0	232.5	226.7
72.5°	322.6	168.6	191.8	197.6	194.7
75°	215.0	148.2	174.4	174.4	171.5
77.5°	139.5	130.8	162.7	159.8	154.0
80°	87.2	116.2	151.1	145.3	139.5
82.5°	52.3	101.7	142.4	136.6	130.8
85°	23.2	90.1	133.7	133.7	130.8
87.5°	8.7	81.4	125.0	127.9	122.1
90°	0.0	69.7	116.2	113.3	104.6
92.5°	0.0	63.9	104.6	95.9	90.1
95°	0.0	55.2	93.0	84.3	78.5
97.5°	0.0	49.4	84.3	75.6	69.7
100°	0.0	43.6	75.6	66.8	61.0
102.5°	0.0	37.8	69.7	61.0	58.1
105°	0.0	34.9	63.9	58.1	52.3
107.5°	0.0	32.0	58.1	52.3	49.4
110°	0.0	26.2	52.3	49.4	46.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.2	46.5	46.5	46.5
115°	0.0	20.3	43.6	43.6	43.6
117.5°	0.0	17.4	37.8	43.6	43.6
120°	0.0	17.4	34.9	40.7	40.7
122.5°	0.0	14.5	32.0	40.7	40.7
125°	0.0	11.6	29.1	37.8	34.9
127.5°	0.0	8.7	26.2	32.0	32.0
130°	0.0	8.7	23.2	29.1	26.2
132.5°	0.0	5.8	20.3	23.2	23.2
135°	0.0	5.8	17.4	20.3	20.3
137.5°	0.0	5.8	14.5	17.4	14.5
140°	0.0	2.9	11.6	14.5	11.6
142.5°	0.0	2.9	11.6	14.5	11.6
145°	0.0	2.9	8.7	11.6	8.7
147.5°	0.0	2.9	5.8	8.7	8.7
150°	0.0	2.9	5.8	8.7	5.8
152.5°	0.0	2.9	5.8	5.8	2.9
155°	0.0	2.9	2.9	5.8	2.9
157.5°	0.0	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	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)