

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: P218099

Luminaire Tested: **4SNLED-LD5-55HL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218099  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5243.0 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

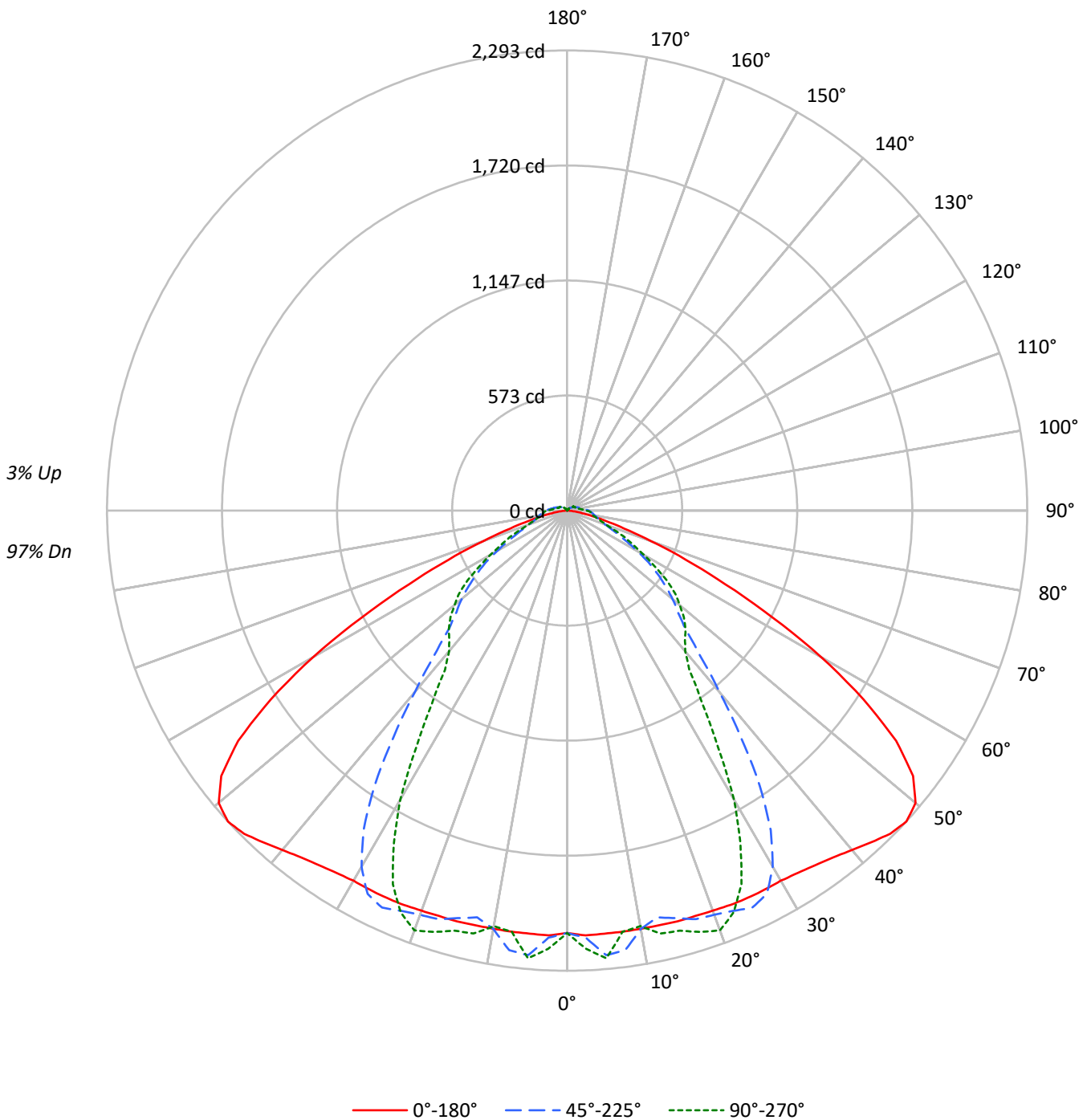
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	33926	33926	33926
5°	34104	33787	33310
10°	34371	30644	29248
15°	34955	29295	28511
20°	35833	28977	27985
25°	37138	28891	24910
30°	38690	26749	19614
35°	41212	21719	13591
40°	44859	15341	10461
45°	49809	10910	9504
50°	54120	9166	8375
55°	53046	7527	6981
60°	44011	5697	5220
65°	30411	4122	3838
70°	18931	3133	2630
75°	10692	2672	2081
80°	6040	2500	1790
85°	2691	2422	1795



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.9	3.9
10°-20°	609.5	11.6
20°-30°	968.5	18.5
30°-40°	1044.3	19.9
40°-50°	900.1	17.2
50°-60°	681.4	13.0
60°-70°	368.1	7.0
70°-80°	174.8	3.3
80°-90°	109.8	2.1
90°-100°	69.9	1.3
100°-110°	44.7	0.9
110°-120°	29.9	0.6
120°-130°	19.7	0.4
130°-140°	9.7	0.2
140°-150°	4.1	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1785.0	34.0
0°-40°	2829.2	54.0
0°-60°	4410.7	84.1
0°-90°	5063.4	96.6
90°-120°	144.5	2.8
90°-150°	178.0	3.4
90°-180°	180.0	3.4
0°-180°	5243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2105	2105	2105	2105	2105	
5°	2116	2162	2223	2253	2240	202
15°	2119	2175	2103	2175	2167	600
25°	2130	2089	2183	2124	2054	985
35°	2156	2076	1674	1279	1175	1358
45°	2277	1427	831	823	834	1753
55°	2001	617	550	601	603	1740
65°	869	263	279	314	316	892
75°	198	137	161	161	158	234
85°	22	83	123	123	121	31
90°	0	64	107	105	97	1
95°	0	51	86	78	72	0
105°	0	32	59	54	48	0
115°	0	19	40	40	40	0
125°	0	11	27	35	32	0
135°	0	5	16	19	19	0
145°	0	3	8	11	8	0
155°	0	3	3	5	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°	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2118.8	2121.4	2129.5	2169.7	2185.8
5°	2116.1	2161.7	2223.4	2252.9	2239.5
7.5°	2116.1	2210.0	2210.0	2153.6	2116.1
10°	2116.1	2236.8	2116.1	2105.4	2102.7
12.5°	2116.1	2220.7	2075.9	2150.9	2159.0
15°	2118.8	2175.1	2102.7	2175.1	2167.0
17.5°	2118.8	2121.4	2134.9	2191.2	2201.9
20°	2121.4	2086.6	2142.9	2234.1	2226.0
22.5°	2126.8	2081.2	2159.0	2215.3	2167.0
25°	2129.5	2089.3	2183.1	2124.1	2054.4
27.5°	2129.5	2100.0	2153.6	1984.7	1869.3
30°	2129.5	2105.4	2049.0	1791.6	1662.8
32.5°	2140.2	2100.0	1888.1	1539.5	1400.0
35°	2156.3	2075.9	1673.6	1279.3	1174.7
37.5°	2177.8	2011.5	1421.5	1070.1	1000.4
40°	2207.3	1872.0	1180.1	936.0	914.6
42.5°	2242.1	1668.2	981.6	869.0	869.0
45°	2277.0	1426.8	831.4	823.4	834.1
47.5°	2293.1	1190.8	748.3	777.8	788.5
50°	2266.3	970.9	686.6	726.8	732.2
52.5°	2172.4	775.1	616.9	665.1	678.5
55°	2000.8	616.9	549.8	600.8	603.4
57.5°	1751.3	490.8	480.1	520.3	517.6
60°	1464.4	396.9	402.3	442.5	442.5
62.5°	1155.9	321.8	337.9	372.8	370.1
65°	869.0	262.8	278.9	313.8	316.5
67.5°	641.0	217.2	236.0	260.2	254.8
70°	447.9	182.4	201.1	214.6	209.2
72.5°	297.7	155.6	177.0	182.4	179.7
75°	198.5	136.8	160.9	160.9	158.2
77.5°	128.7	120.7	150.2	147.5	142.1
80°	80.5	107.3	139.5	134.1	128.7
82.5°	48.3	93.9	131.4	126.1	120.7
85°	21.5	83.1	123.4	123.4	120.7
87.5°	8.0	75.1	115.3	118.0	112.6
90°	0.0	64.4	107.3	104.6	96.6
92.5°	0.0	59.0	96.6	88.5	83.1
95°	0.0	51.0	85.8	77.8	72.4
97.5°	0.0	45.6	77.8	69.7	64.4
100°	0.0	40.2	69.7	61.7	56.3
102.5°	0.0	34.9	64.4	56.3	53.6
105°	0.0	32.2	59.0	53.6	48.3
107.5°	0.0	29.5	53.6	48.3	45.6
110°	0.0	24.1	48.3	45.6	42.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.5	42.9	42.9	42.9
115°	0.0	18.8	40.2	40.2	40.2
117.5°	0.0	16.1	34.9	40.2	40.2
120°	0.0	16.1	32.2	37.5	37.5
122.5°	0.0	13.4	29.5	37.5	37.5
125°	0.0	10.7	26.8	34.9	32.2
127.5°	0.0	8.0	24.1	29.5	29.5
130°	0.0	8.0	21.5	26.8	24.1
132.5°	0.0	5.4	18.8	21.5	21.5
135°	0.0	5.4	16.1	18.8	18.8
137.5°	0.0	5.4	13.4	16.1	13.4
140°	0.0	2.7	10.7	13.4	10.7
142.5°	0.0	2.7	10.7	13.4	10.7
145°	0.0	2.7	8.0	10.7	8.0
147.5°	0.0	2.7	5.4	8.0	8.0
150°	0.0	2.7	5.4	8.0	5.4
152.5°	0.0	2.7	5.4	5.4	2.7
155°	0.0	2.7	2.7	5.4	2.7
157.5°	0.0	2.7	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	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)