

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: P#

Luminaire Tested: **4SNLED-LD5-55HL-SLC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-55HL-SLC-UNV-L835-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

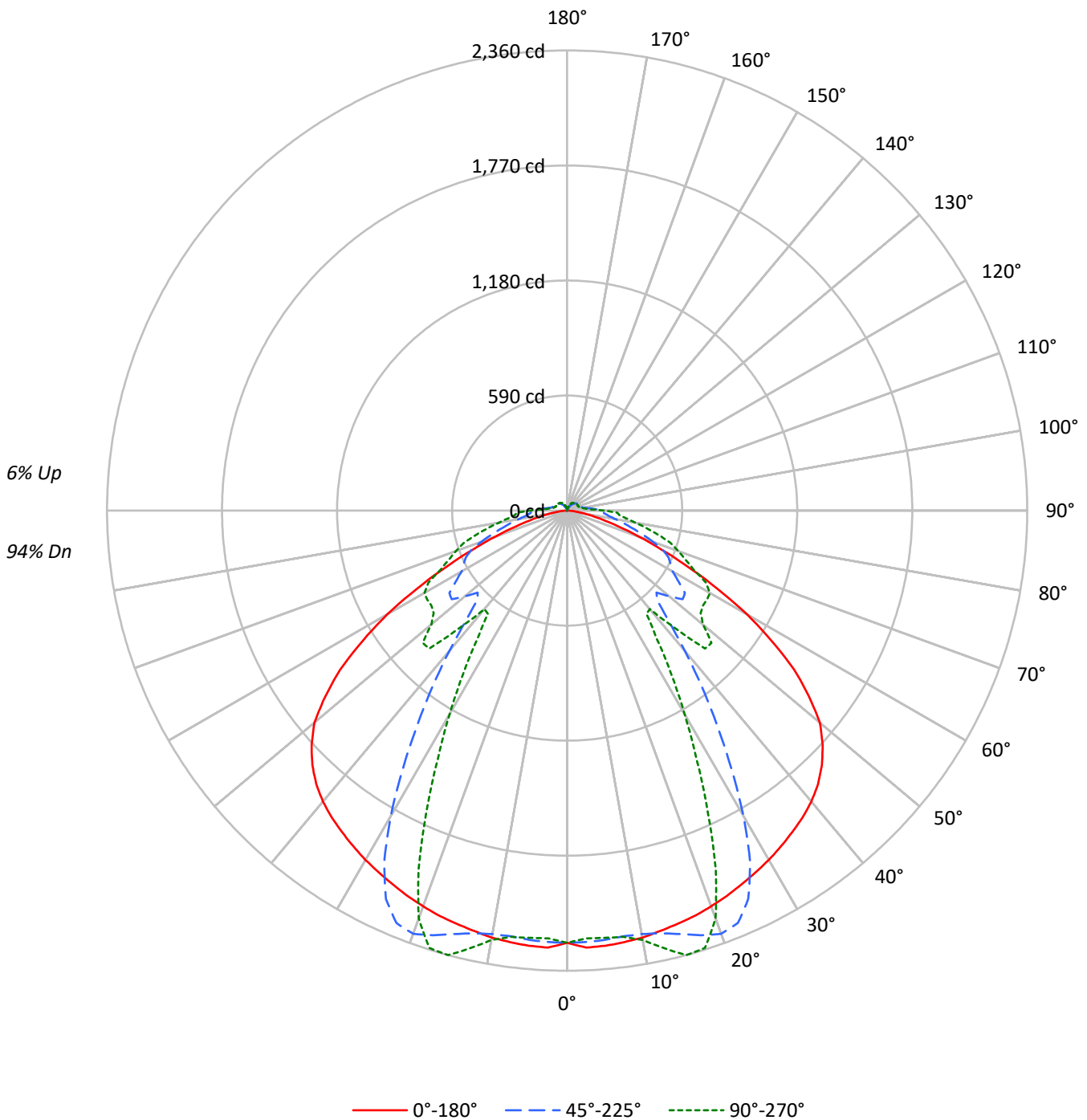
Lumens per Lamp: N/A  
Luminaire Lumens: 5692.0 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 39  
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	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17906	17906	17906
5°	18124	17487	17272
10°	18147	17221	17212
15°	18197	17463	17940
20°	18365	17983	16840
25°	18594	17283	12966
30°	18961	14475	9223
35°	19431	10963	6245
40°	20025	7969	5288
45°	20479	5781	8313
50°	20508	6402	7890
55°	19169	7367	7791
60°	16333	6741	8281
65°	12286	6799	7575
70°	8623	6189	7051
75°	5651	5186	6327
80°	3605	4442	5267
85°	1940	4222	4727



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.8	3.7
10°-20°	636.6	11.2
20°-30°	924.8	16.2
30°-40°	883.6	15.5
40°-50°	808.3	14.2
50°-60°	746.3	13.1
60°-70°	592.8	10.4
70°-80°	365.9	6.4
80°-90°	199.2	3.5
90°-100°	100.7	1.8
100°-110°	63.3	1.1
110°-120°	53.6	0.9
120°-130°	43.8	0.8
130°-140°	31.4	0.6
140°-150°	19.4	0.3
150°-160°	9.2	0.2
160°-170°	2.4	0.0
170°-180°	0.0	0.0
0°-30°	1772.2	31.1
0°-40°	2655.8	46.7
0°-60°	4210.4	74.0
0°-90°	5368.3	94.3
90°-120°	217.6	3.8
90°-150°	312.2	5.5
90°-180°	324.0	5.7
0°-180°	5692.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2240	2206	2210	2198	2199	213
15°	2193	2164	2248	2332	2360	621
25°	2116	2157	2198	1861	1709	978
35°	2013	1980	1335	919	799	1262
45°	1848	1289	651	831	1000	1420
55°	1421	661	738	794	850	1252
65°	686	429	575	698	715	693
75°	202	228	344	456	486	229
85°	28	97	195	266	270	36
90°	1	73	175	207	191	1
95°	0	68	121	107	101	0
105°	0	61	74	68	67	0
115°	0	50	72	64	61	0
125°	1	40	64	62	59	1
135°	1	28	51	56	54	1
145°	1	18	35	45	48	1
155°	2	11	22	28	34	1
165°	2	6	11	14	19	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°	2215.8	2215.8	2215.8	2215.8	2215.8
2.5°	2243.3	2210.9	2214.9	2208.0	2196.2
5°	2240.4	2206.0	2210.0	2198.2	2199.2
7.5°	2232.5	2197.2	2202.1	2200.1	2205.1
10°	2223.7	2186.4	2205.1	2221.7	2236.4
12.5°	2208.0	2174.6	2219.8	2268.8	2299.2
15°	2193.3	2163.9	2248.2	2331.6	2360.0
17.5°	2178.6	2159.9	2283.5	2356.1	2352.2
20°	2159.9	2158.0	2310.0	2285.5	2225.7
22.5°	2139.3	2158.9	2289.4	2109.9	1992.2
25°	2115.8	2157.0	2198.2	1860.8	1708.7
27.5°	2092.2	2148.2	2032.4	1588.1	1438.0
30°	2068.7	2124.6	1808.8	1338.9	1202.6
32.5°	2041.2	2073.6	1565.5	1118.2	992.7
35°	2012.8	1980.4	1335.0	919.1	799.4
37.5°	1983.4	1846.0	1128.0	744.5	668.0
40°	1948.1	1677.3	937.7	638.6	659.2
42.5°	1903.9	1487.0	770.0	670.0	813.2
45°	1848.0	1288.9	651.3	830.8	1000.5
47.5°	1777.4	1098.6	621.9	951.5	1004.4
50°	1692.0	924.0	683.7	912.2	908.3
52.5°	1562.6	778.8	746.5	831.8	863.2
55°	1421.3	661.1	737.6	793.5	849.5
57.5°	1242.8	581.7	676.8	785.7	850.4
60°	1065.3	528.7	624.8	784.7	845.5
62.5°	869.1	480.6	598.3	766.1	802.4
65°	685.6	428.7	574.8	698.4	715.1
67.5°	525.8	375.7	533.6	622.9	656.2
70°	396.3	323.7	468.9	565.0	606.2
72.5°	285.4	274.7	402.2	514.0	557.1
75°	202.1	228.5	344.3	456.1	486.5
77.5°	139.3	186.4	295.2	392.4	416.9
80°	91.2	149.1	251.1	337.4	354.1
82.5°	54.9	119.7	217.8	295.2	304.1
85°	28.4	97.1	195.2	265.8	269.7
87.5°	8.8	81.4	182.4	252.1	257.0
90°	1.0	72.6	174.6	207.0	191.3
92.5°	0.0	68.7	151.1	141.2	126.5
95°	0.0	67.7	120.7	106.9	101.0
97.5°	0.0	65.7	99.1	89.3	86.3
100°	0.0	63.8	85.3	78.5	77.5
102.5°	0.0	62.8	77.5	71.6	70.6
105°	0.0	60.8	74.5	67.7	66.7
107.5°	0.0	57.9	72.6	65.7	63.8
110°	0.0	54.9	72.6	64.7	61.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	52.0	72.6	63.8	60.8
115°	0.0	50.0	71.6	63.8	60.8
117.5°	1.0	48.1	70.6	63.8	60.8
120°	0.0	46.1	68.7	63.8	59.8
122.5°	1.0	43.2	66.7	62.8	59.8
125°	1.0	40.2	63.8	61.8	58.9
127.5°	1.0	37.3	60.8	59.8	56.9
130°	1.0	34.3	57.9	58.9	55.9
132.5°	1.0	31.4	53.9	56.9	54.9
135°	1.0	28.4	51.0	55.9	53.9
137.5°	1.0	25.5	47.1	53.0	53.0
140°	1.0	22.6	43.2	51.0	52.0
142.5°	1.0	20.6	39.2	49.0	50.0
145°	1.0	17.7	35.3	45.1	48.1
147.5°	1.0	15.7	31.4	41.2	45.1
150°	1.0	13.7	27.5	37.3	41.2
152.5°	1.0	11.8	24.5	32.4	38.3
155°	2.0	10.8	21.6	28.4	34.3
157.5°	2.0	8.8	17.7	24.5	29.4
160°	2.0	7.8	15.7	20.6	26.5
162.5°	2.0	6.9	12.8	17.7	22.6
165°	2.0	5.9	10.8	13.7	18.6
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)