

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: P218216

Luminaire Tested: **4SNLED-LD5-53SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218216  
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-LD5-53SL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5389.0 lumens  
Efficiency: N/A  
Efficacy: 125.9 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

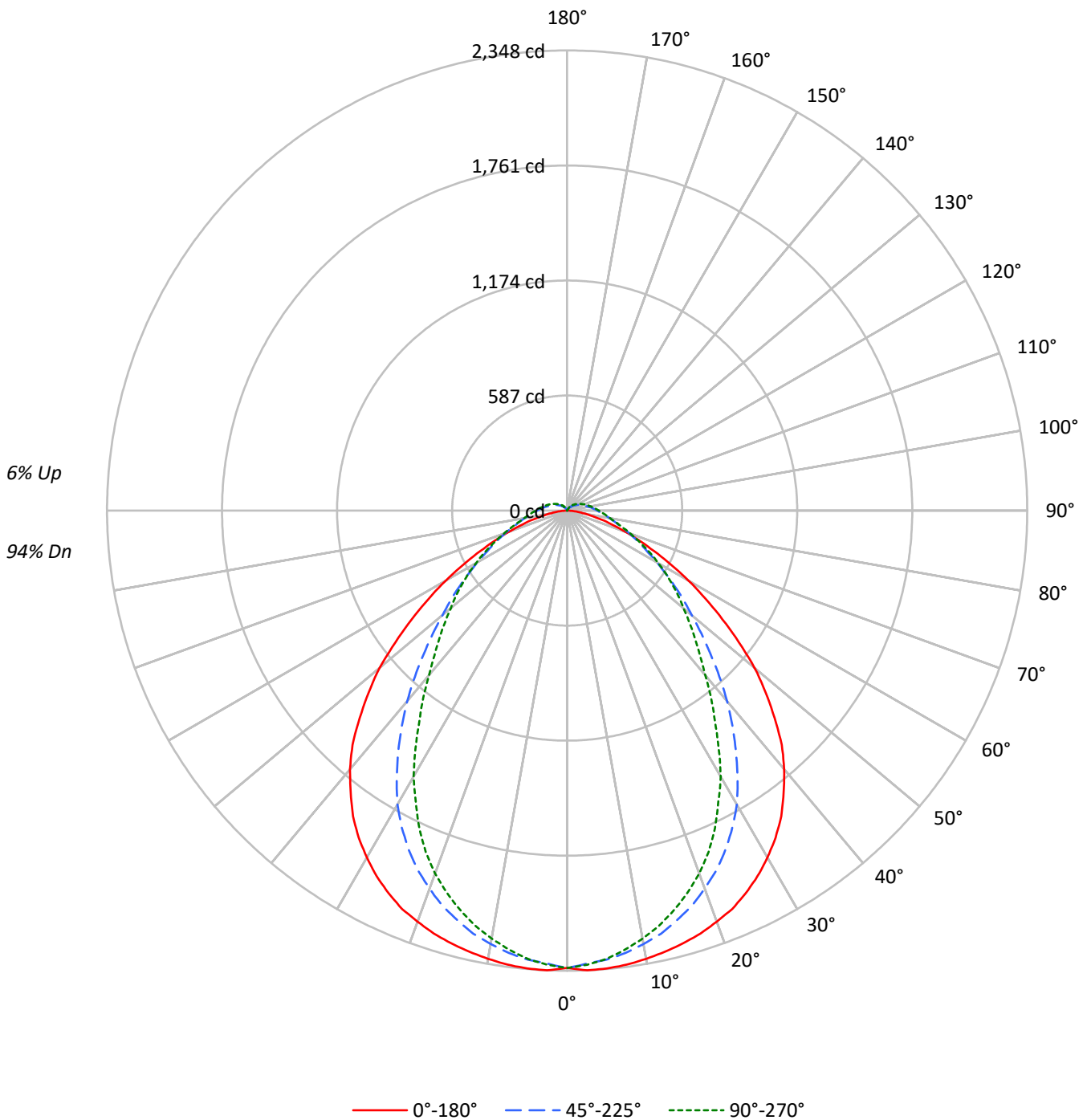
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	37606	37606	37606
5°	37796	34947	34164
10°	37724	32522	30843
15°	37707	30142	27754
20°	37694	27759	24772
25°	37583	25287	21655
30°	37140	22609	18488
35°	36411	19492	15210
40°	35025	16498	12534
45°	32731	13562	10513
50°	29834	11068	8865
55°	25669	9134	7555
60°	21504	7478	6330
65°	17088	6211	5233
70°	13322	5219	4318
75°	10094	4432	3587
80°	7030	3918	3081
85°	4268	3566	2787



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.4	4.1
10°-20°	615.8	11.4
20°-30°	891.7	16.5
30°-40°	970.5	18.0
40°-50°	861.9	16.0
50°-60°	656.1	12.2
60°-70°	435.6	8.1
70°-80°	265.4	4.9
80°-90°	164.5	3.1
90°-100°	112.3	2.1
100°-110°	78.8	1.5
110°-120°	53.7	1.0
120°-130°	34.1	0.6
130°-140°	19.4	0.4
140°-150°	9.1	0.2
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1726.9	32.0
0°-40°	2697.4	50.1
0°-60°	4215.5	78.2
0°-90°	5081.0	94.3
90°-120°	244.9	4.5
90°-150°	307.4	5.7
90°-180°	308.0	5.7
0°-180°	5389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2334	2334	2334	2334	2334	
5°	2345	2331	2300	2311	2297	223
15°	2286	2246	2164	2138	2110	646
25°	2155	2058	1911	1834	1786	992
35°	1905	1735	1502	1371	1315	1187
45°	1496	1272	1034	946	923	1152
55°	968	786	667	656	653	869
65°	488	420	420	437	432	492
75°	187	213	267	281	273	203
85°	34	108	182	193	187	41
90°	0	80	153	168	162	2
95°	0	62	131	145	142	0
105°	0	40	94	108	108	0
115°	0	26	68	82	80	0
125°	0	17	45	57	57	0
135°	0	11	31	40	40	0
145°	0	6	17	23	23	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°	2333.8	2333.8	2333.8	2333.8	2333.8
2.5°	2348.0	2336.7	2314.0	2328.2	2319.6
5°	2345.2	2331.0	2299.8	2311.1	2296.9
7.5°	2336.7	2319.6	2277.1	2282.7	2260.0
10°	2322.5	2299.8	2245.8	2240.2	2217.4
12.5°	2305.5	2277.1	2211.8	2191.9	2169.2
15°	2285.6	2245.8	2163.5	2137.9	2109.5
17.5°	2262.9	2208.9	2115.2	2075.5	2044.2
20°	2231.6	2166.3	2052.8	2004.5	1970.4
22.5°	2200.4	2115.2	1987.5	1922.2	1885.2
25°	2155.0	2058.4	1910.8	1834.1	1785.9
27.5°	2103.9	1993.1	1825.6	1726.3	1672.3
30°	2044.2	1916.5	1731.9	1615.5	1567.3
32.5°	1978.9	1831.3	1618.4	1493.4	1439.5
35°	1905.1	1734.8	1502.0	1371.3	1314.6
37.5°	1814.3	1629.7	1385.5	1252.1	1206.7
40°	1723.4	1519.0	1269.1	1144.2	1095.9
42.5°	1621.2	1396.9	1149.9	1036.3	1002.2
45°	1496.3	1272.0	1033.5	945.5	922.7
47.5°	1374.2	1144.2	928.4	866.0	846.1
50°	1249.3	1019.3	829.1	789.3	775.1
52.5°	1104.5	897.2	746.7	721.2	715.5
55°	968.2	786.5	667.2	655.9	653.0
57.5°	837.6	681.4	593.4	601.9	596.2
60°	715.5	584.9	528.1	539.5	536.6
62.5°	596.2	496.9	468.5	491.2	485.5
65°	488.3	420.2	420.2	437.2	431.6
67.5°	394.7	357.7	374.8	391.8	386.1
70°	315.2	301.0	335.0	349.2	343.5
72.5°	244.2	252.7	295.3	312.3	303.8
75°	187.4	212.9	266.9	281.1	272.6
77.5°	133.4	178.9	241.3	252.7	244.2
80°	93.7	150.5	218.6	230.0	221.5
82.5°	59.6	127.8	198.7	210.1	204.4
85°	34.1	107.9	181.7	193.1	187.4
87.5°	17.0	93.7	164.7	178.9	173.2
90°	0.0	79.5	153.3	167.5	161.8
92.5°	0.0	71.0	142.0	156.2	150.5
95°	0.0	62.5	130.6	144.8	142.0
97.5°	0.0	56.8	122.1	136.3	130.6
100°	0.0	48.3	110.7	124.9	122.1
102.5°	0.0	45.4	102.2	116.4	113.6
105°	0.0	39.7	93.7	107.9	107.9
107.5°	0.0	36.9	88.0	102.2	99.4
110°	0.0	31.2	79.5	93.7	93.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.4	73.8	88.0	85.2
115°	0.0	25.6	68.1	82.3	79.5
117.5°	0.0	25.6	62.5	73.8	73.8
120°	0.0	22.7	56.8	68.1	68.1
122.5°	0.0	19.9	51.1	62.5	62.5
125°	0.0	17.0	45.4	56.8	56.8
127.5°	0.0	17.0	42.6	53.9	53.9
130°	0.0	14.2	36.9	48.3	48.3
132.5°	0.0	11.4	34.1	42.6	42.6
135°	0.0	11.4	31.2	39.7	39.7
137.5°	0.0	8.5	25.6	34.1	34.1
140°	0.0	8.5	22.7	31.2	31.2
142.5°	0.0	5.7	19.9	28.4	25.6
145°	0.0	5.7	17.0	22.7	22.7
147.5°	0.0	2.8	14.2	19.9	19.9
150°	0.0	2.8	11.4	17.0	14.2
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)