

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: P218224

Luminaire Tested: **4SNLED-LD5-56SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218224  
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-LD5-56SL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5777.0 lumens  
Efficiency: N/A  
Efficacy: 122.7 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

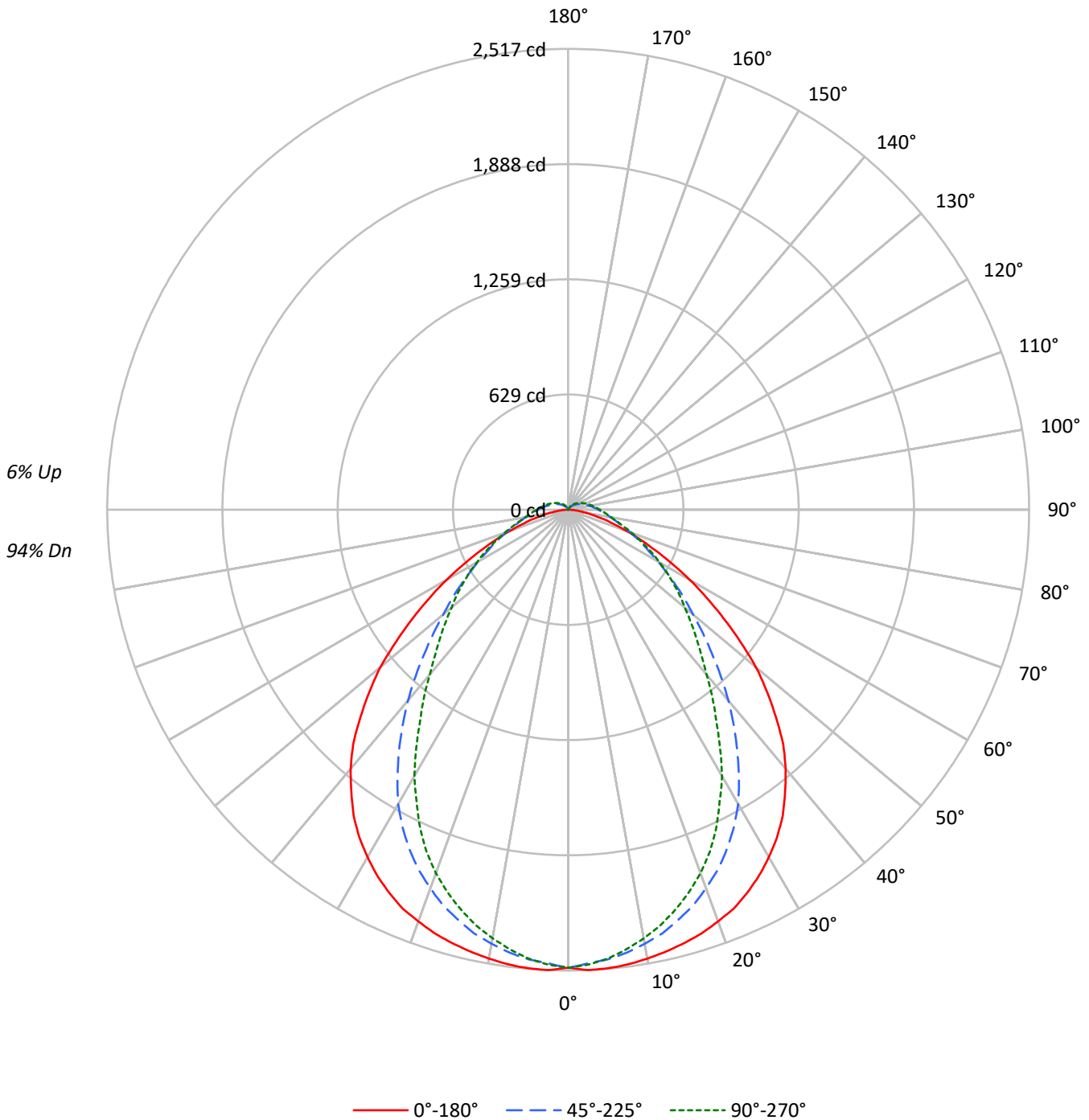
Input Watts (W): 47.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	40315	40315	40315
5°	40518	37464	36624
10°	40439	34864	33064
15°	40421	32313	29753
20°	40409	29757	26556
25°	40288	27108	23214
30°	39814	24237	19818
35°	39033	20895	16304
40°	37547	17686	13437
45°	35087	14538	11271
50°	31980	11864	9503
55°	27517	9793	8099
60°	23051	8016	6785
65°	18320	6658	5609
70°	14277	5596	4630
75°	10822	4751	3844
80°	7533	4201	3302
85°	4568	3823	2988



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.2	4.1
10°-20°	660.1	11.4
20°-30°	955.9	16.5
30°-40°	1040.4	18.0
40°-50°	924.0	16.0
50°-60°	703.3	12.2
60°-70°	467.0	8.1
70°-80°	284.5	4.9
80°-90°	176.3	3.1
90°-100°	120.4	2.1
100°-110°	84.5	1.5
110°-120°	57.6	1.0
120°-130°	36.5	0.6
130°-140°	20.8	0.4
140°-150°	9.7	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1851.2	32.0
0°-40°	2891.6	50.1
0°-60°	4519.0	78.2
0°-90°	5446.8	94.3
90°-120°	262.5	4.5
90°-150°	329.5	5.7
90°-180°	330.0	5.7
0°-180°	5777.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2502	2502	2502	2502	2502	
5°	2514	2499	2465	2478	2462	239
15°	2450	2408	2319	2292	2261	692
25°	2310	2207	2048	1966	1914	1064
35°	2042	1860	1610	1470	1409	1272
45°	1604	1364	1108	1014	989	1235
55°	1038	843	715	703	700	931
65°	524	450	450	469	463	528
75°	201	228	286	301	292	217
85°	36	116	195	207	201	43
90°	0	85	164	180	174	3
95°	0	67	140	155	152	0
105°	0	43	100	116	116	0
115°	0	27	73	88	85	0
125°	0	18	49	61	61	0
135°	0	12	34	43	43	0
145°	0	6	18	24	24	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°	2501.9	2501.9	2501.9	2501.9	2501.9
2.5°	2517.1	2504.9	2480.6	2495.8	2486.7
5°	2514.1	2498.8	2465.4	2477.5	2462.3
7.5°	2504.9	2486.7	2441.0	2447.1	2422.7
10°	2489.7	2465.4	2407.5	2401.4	2377.1
12.5°	2471.4	2441.0	2371.0	2349.7	2325.3
15°	2450.1	2407.5	2319.3	2291.9	2261.4
17.5°	2425.8	2368.0	2267.5	2224.9	2191.4
20°	2392.3	2322.3	2200.6	2148.8	2112.3
22.5°	2358.8	2267.5	2130.6	2060.5	2021.0
25°	2310.1	2206.6	2048.4	1966.2	1914.5
27.5°	2255.3	2136.6	1957.1	1850.5	1792.7
30°	2191.4	2054.5	1856.6	1731.8	1680.1
32.5°	2121.4	1963.2	1734.9	1601.0	1543.1
35°	2042.3	1859.7	1610.1	1470.1	1409.2
37.5°	1944.9	1747.1	1485.3	1342.2	1293.6
40°	1847.5	1628.4	1360.5	1226.6	1174.8
42.5°	1737.9	1497.5	1232.7	1110.9	1074.4
45°	1604.0	1363.6	1107.9	1013.5	989.2
47.5°	1473.1	1226.6	995.3	928.3	907.0
50°	1339.2	1092.7	888.7	846.1	830.9
52.5°	1184.0	961.8	800.5	773.1	767.0
55°	1037.9	843.1	715.3	703.1	700.0
57.5°	897.9	730.5	636.1	645.3	639.2
60°	767.0	627.0	566.1	578.3	575.2
62.5°	639.2	532.6	502.2	526.6	520.5
65°	523.5	450.5	450.5	468.7	462.6
67.5°	423.1	383.5	401.8	420.0	413.9
70°	337.8	322.6	359.2	374.4	368.3
72.5°	261.8	270.9	316.5	334.8	325.7
75°	200.9	228.3	286.1	301.3	292.2
77.5°	143.1	191.7	258.7	270.9	261.8
80°	100.4	161.3	234.4	246.5	237.4
82.5°	63.9	137.0	213.1	225.2	219.1
85°	36.5	115.7	194.8	207.0	200.9
87.5°	18.3	100.4	176.5	191.7	185.7
90°	0.0	85.2	164.4	179.6	173.5
92.5°	0.0	76.1	152.2	167.4	161.3
95°	0.0	67.0	140.0	155.2	152.2
97.5°	0.0	60.9	130.9	146.1	140.0
100°	0.0	51.7	118.7	133.9	130.9
102.5°	0.0	48.7	109.6	124.8	121.7
105°	0.0	42.6	100.4	115.7	115.7
107.5°	0.0	39.6	94.4	109.6	106.5
110°	0.0	33.5	85.2	100.4	100.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.4	79.1	94.4	91.3
115°	0.0	27.4	73.0	88.3	85.2
117.5°	0.0	27.4	67.0	79.1	79.1
120°	0.0	24.3	60.9	73.0	73.0
122.5°	0.0	21.3	54.8	67.0	67.0
125°	0.0	18.3	48.7	60.9	60.9
127.5°	0.0	18.3	45.7	57.8	57.8
130°	0.0	15.2	39.6	51.7	51.7
132.5°	0.0	12.2	36.5	45.7	45.7
135°	0.0	12.2	33.5	42.6	42.6
137.5°	0.0	9.1	27.4	36.5	36.5
140°	0.0	9.1	24.3	33.5	33.5
142.5°	0.0	6.1	21.3	30.4	27.4
145°	0.0	6.1	18.3	24.3	24.3
147.5°	0.0	3.0	15.2	21.3	21.3
150°	0.0	3.0	12.2	18.3	15.2
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)