

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: P218236

Luminaire Tested: **4SNLED-LD5-64SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218236  
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-LD5-64SL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6410.0 lumens  
Efficiency: N/A  
Efficacy: 116.8 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

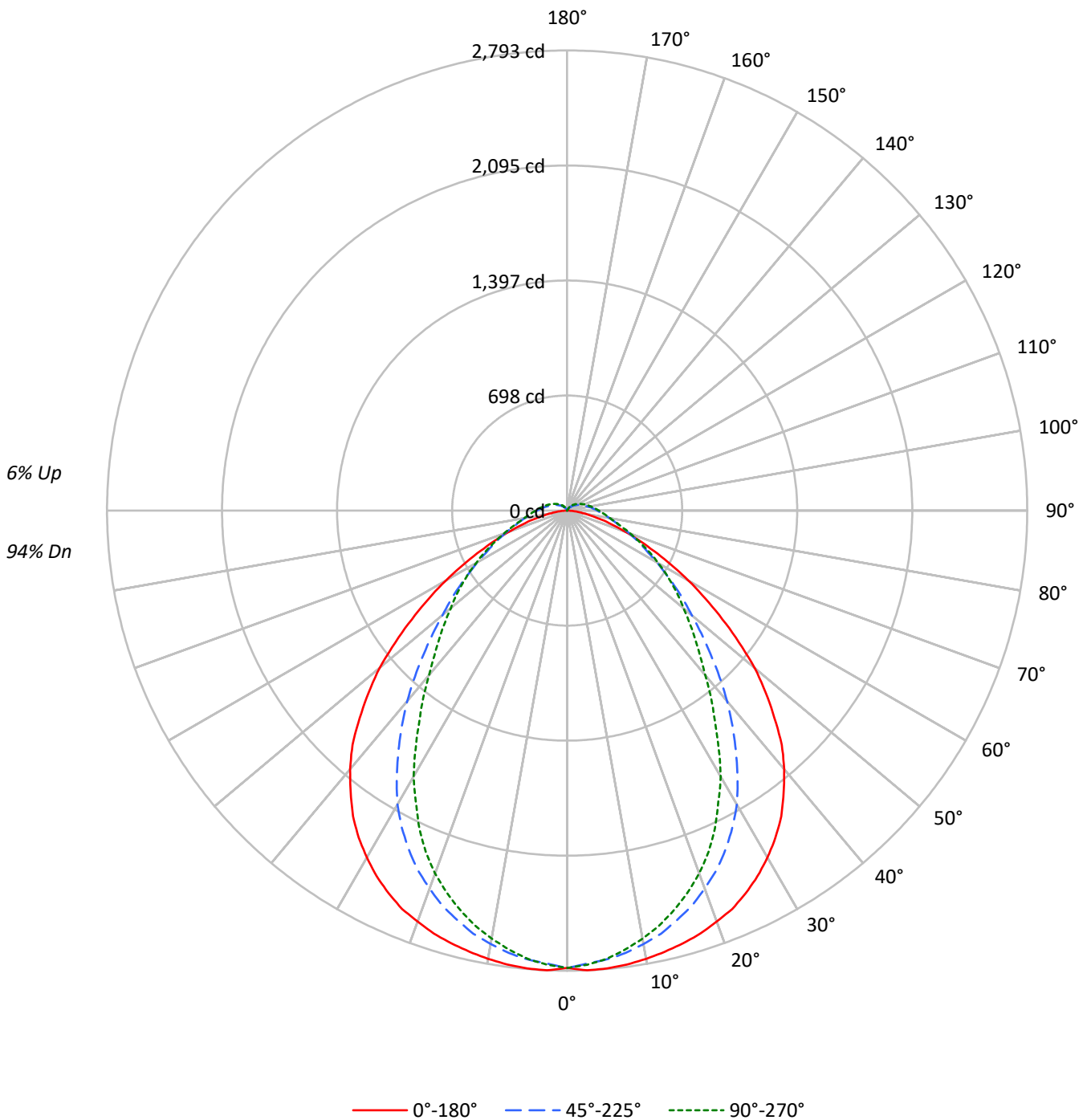
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	44731	44731	44731
5°	44957	41568	40637
10°	44870	38684	36688
15°	44850	35853	33013
20°	44836	33017	29465
25°	44704	30078	25757
30°	44177	26894	21990
35°	43311	23184	18091
40°	41660	19624	14910
45°	38933	16131	12506
50°	35484	13164	10545
55°	30532	10865	8986
60°	25576	8894	7529
65°	20329	7387	6224
70°	15845	6209	5137
75°	12007	5272	4265
80°	8358	4660	3664
85°	5069	4241	3315



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.0	4.1
10°-20°	732.5	11.4
20°-30°	1060.7	16.5
30°-40°	1154.4	18.0
40°-50°	1025.2	16.0
50°-60°	780.4	12.2
60°-70°	518.1	8.1
70°-80°	315.7	4.9
80°-90°	195.6	3.1
90°-100°	133.6	2.1
100°-110°	93.8	1.5
110°-120°	63.9	1.0
120°-130°	40.5	0.6
130°-140°	23.0	0.4
140°-150°	10.8	0.2
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2054.1	32.0
0°-40°	3208.5	50.1
0°-60°	5014.1	78.2
0°-90°	6043.6	94.3
90°-120°	291.3	4.5
90°-150°	365.6	5.7
90°-180°	366.0	5.7
0°-180°	6410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2776	2776	2776	2776	2776	
5°	2790	2773	2736	2749	2732	265
15°	2719	2671	2573	2543	2509	768
25°	2563	2448	2273	2182	2124	1180
35°	2266	2063	1786	1631	1564	1412
45°	1780	1513	1229	1125	1098	1371
55°	1152	936	794	780	777	1033
65°	581	500	500	520	513	586
75°	223	253	318	334	324	241
85°	40	128	216	230	223	48
90°	0	95	182	199	192	3
95°	0	74	155	172	169	0
105°	0	47	111	128	128	0
115°	0	30	81	98	95	0
125°	0	20	54	68	68	0
135°	0	14	37	47	47	0
145°	0	7	20	27	27	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°	2776.0	2776.0	2776.0	2776.0	2776.0
2.5°	2792.9	2779.4	2752.4	2769.3	2759.1
5°	2789.5	2772.6	2735.5	2749.0	2732.1
7.5°	2779.4	2759.1	2708.5	2715.2	2688.2
10°	2762.5	2735.5	2671.3	2664.6	2637.6
12.5°	2742.2	2708.5	2630.8	2607.2	2580.1
15°	2718.6	2671.3	2573.4	2543.0	2509.2
17.5°	2691.6	2627.4	2516.0	2468.7	2431.5
20°	2654.4	2576.8	2441.7	2384.3	2343.7
22.5°	2617.3	2516.0	2364.0	2286.3	2242.4
25°	2563.3	2448.4	2272.8	2181.6	2124.2
27.5°	2502.5	2370.8	2171.5	2053.3	1989.1
30°	2431.5	2279.6	2060.1	1921.6	1864.2
32.5°	2353.9	2178.3	1925.0	1776.4	1712.2
35°	2266.1	2063.4	1786.5	1631.2	1563.6
37.5°	2158.0	1938.5	1648.0	1489.3	1435.3
40°	2049.9	1806.8	1509.6	1361.0	1303.6
42.5°	1928.4	1661.6	1367.7	1232.7	1192.1
45°	1779.8	1513.0	1229.3	1124.6	1097.6
47.5°	1634.5	1361.0	1104.3	1030.0	1006.4
50°	1485.9	1212.4	986.1	938.8	922.0
52.5°	1313.7	1067.2	888.2	857.8	851.0
55°	1151.6	935.5	793.6	780.1	776.7
57.5°	996.3	810.5	705.8	716.0	709.2
60°	851.0	695.7	628.1	641.7	638.3
62.5°	709.2	591.0	557.2	584.2	577.5
65°	580.9	499.8	499.8	520.1	513.3
67.5°	469.4	425.5	445.8	466.0	459.3
70°	374.9	358.0	398.5	415.4	408.6
72.5°	290.4	300.6	351.2	371.5	361.4
75°	222.9	253.3	317.5	334.3	324.2
77.5°	158.7	212.8	287.1	300.6	290.4
80°	111.4	179.0	260.0	273.5	263.4
82.5°	70.9	152.0	236.4	249.9	243.2
85°	40.5	128.3	216.1	229.6	222.9
87.5°	20.3	111.4	195.9	212.8	206.0
90°	0.0	94.6	182.4	199.3	192.5
92.5°	0.0	84.4	168.9	185.7	179.0
95°	0.0	74.3	155.3	172.2	168.9
97.5°	0.0	67.5	145.2	162.1	155.3
100°	0.0	57.4	131.7	148.6	145.2
102.5°	0.0	54.0	121.6	138.5	135.1
105°	0.0	47.3	111.4	128.3	128.3
107.5°	0.0	43.9	104.7	121.6	118.2
110°	0.0	37.1	94.6	111.4	111.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.8	87.8	104.7	101.3
115°	0.0	30.4	81.1	97.9	94.6
117.5°	0.0	30.4	74.3	87.8	87.8
120°	0.0	27.0	67.5	81.1	81.1
122.5°	0.0	23.6	60.8	74.3	74.3
125°	0.0	20.3	54.0	67.5	67.5
127.5°	0.0	20.3	50.7	64.2	64.2
130°	0.0	16.9	43.9	57.4	57.4
132.5°	0.0	13.5	40.5	50.7	50.7
135°	0.0	13.5	37.1	47.3	47.3
137.5°	0.0	10.1	30.4	40.5	40.5
140°	0.0	10.1	27.0	37.1	37.1
142.5°	0.0	6.8	23.6	33.8	30.4
145°	0.0	6.8	20.3	27.0	27.0
147.5°	0.0	3.4	16.9	23.6	23.6
150°	0.0	3.4	13.5	20.3	16.9
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)