

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: P217994

Luminaire Tested: **4SNLED-LD5-64SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-64SL-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7156.0 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

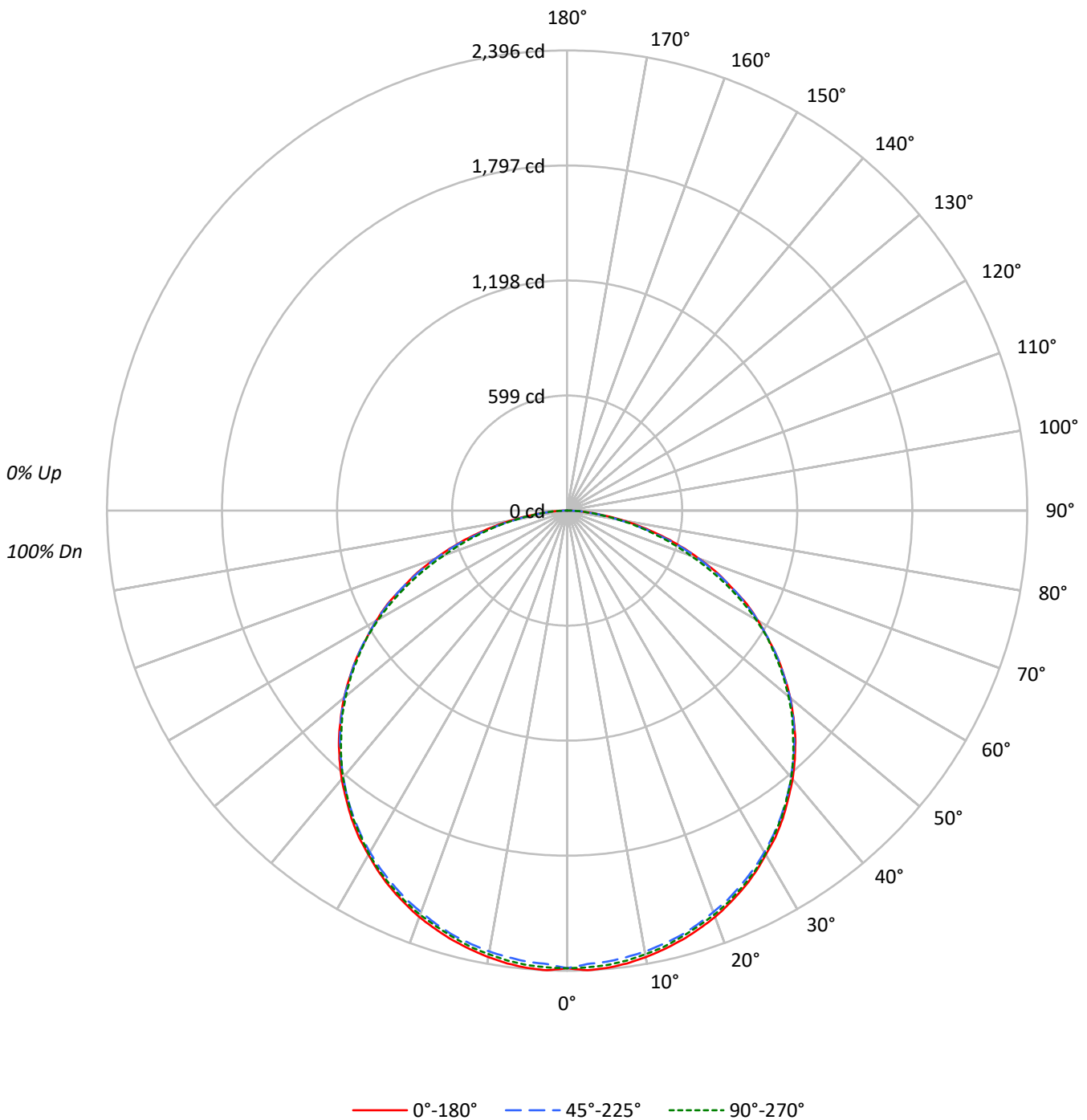
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

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

	0°	45°	90°
0°	38402	38402	38402
5°	38529	35839	35337
10°	38349	33760	32633
15°	38175	31893	30249
20°	38040	30086	28157
25°	37852	28427	26197
30°	37589	26815	24347
35°	37414	25211	22535
40°	37118	23581	20776
45°	36759	21953	18949
50°	36229	20219	17210
55°	35498	18330	15347
60°	34511	16260	13399
65°	32997	13973	11103
70°	30858	11297	8587
75°	27595	8137	6153
80°	22096	4835	3821
85°	13630	2088	1545



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.9	3.2
10°-20°	650.2	9.1
20°-30°	996.2	13.9
30°-40°	1219.3	17.0
40°-50°	1290.3	18.0
50°-60°	1193.4	16.7
60°-70°	926.7	12.9
70°-80°	522.0	7.3
80°-90°	132.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1872.3	26.2
0°-40°	3091.6	43.2
0°-60°	5575.3	77.9
0°-90°	7156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2383	2383	2383	2383	2383	
5°	2391	2381	2358	2381	2376	227
15°	2314	2306	2289	2309	2299	653
25°	2170	2163	2148	2166	2160	1000
35°	1958	1950	1943	1948	1948	1224
45°	1680	1678	1673	1670	1663	1295
55°	1339	1344	1339	1334	1326	1194
65°	943	950	945	933	916	935
75°	512	512	490	478	468	540
85°	109	109	106	106	104	136
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2383.2	2383.2	2383.2	2383.2	2383.2
2.5°	2395.6	2385.7	2363.4	2385.7	2380.8
5°	2390.7	2380.8	2358.5	2380.8	2375.8
7.5°	2378.3	2370.9	2346.1	2368.4	2363.4
10°	2361.0	2353.5	2331.3	2353.5	2346.1
12.5°	2338.7	2331.3	2311.5	2331.3	2326.3
15°	2314.0	2306.5	2289.2	2309.0	2299.1
17.5°	2284.3	2279.3	2259.5	2279.3	2269.4
20°	2252.1	2242.2	2224.9	2244.7	2239.7
22.5°	2212.5	2207.5	2190.2	2207.5	2202.6
25°	2170.4	2163.0	2148.1	2165.5	2160.5
27.5°	2123.4	2118.4	2103.6	2116.0	2116.0
30°	2068.9	2066.5	2054.1	2066.5	2064.0
32.5°	2017.0	2012.0	1999.7	2009.6	2004.6
35°	1957.6	1950.2	1942.7	1947.7	1947.7
37.5°	1890.8	1888.3	1880.9	1888.3	1880.9
40°	1826.4	1821.5	1814.0	1816.5	1816.5
42.5°	1754.6	1752.2	1744.7	1744.7	1742.3
45°	1680.4	1677.9	1673.0	1670.5	1663.1
47.5°	1598.7	1596.3	1596.3	1593.8	1588.8
50°	1517.1	1517.1	1514.6	1507.2	1504.7
52.5°	1428.0	1432.9	1425.5	1420.5	1418.1
55°	1338.9	1343.8	1338.9	1333.9	1326.5
57.5°	1239.9	1249.8	1242.4	1239.9	1237.4
60°	1148.3	1153.3	1148.3	1140.9	1135.9
62.5°	1054.3	1054.3	1046.8	1041.9	1027.0
65°	942.9	950.3	945.4	933.0	915.7
67.5°	843.9	839.0	834.0	819.2	799.4
70°	730.1	732.5	725.1	702.8	683.0
72.5°	621.2	626.1	611.3	581.6	576.6
75°	512.3	512.3	490.0	477.6	467.7
77.5°	400.9	403.4	373.7	371.2	368.7
80°	294.5	299.5	269.8	277.2	274.7
82.5°	200.5	195.5	183.1	183.1	180.7
85°	108.9	108.9	106.4	106.4	103.9
87.5°	42.1	44.5	49.5	54.4	52.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)