

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: P217988

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217988  
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-LD5-64HL-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6450.0 lumens  
Efficiency: N/A  
Efficacy: 150.0 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

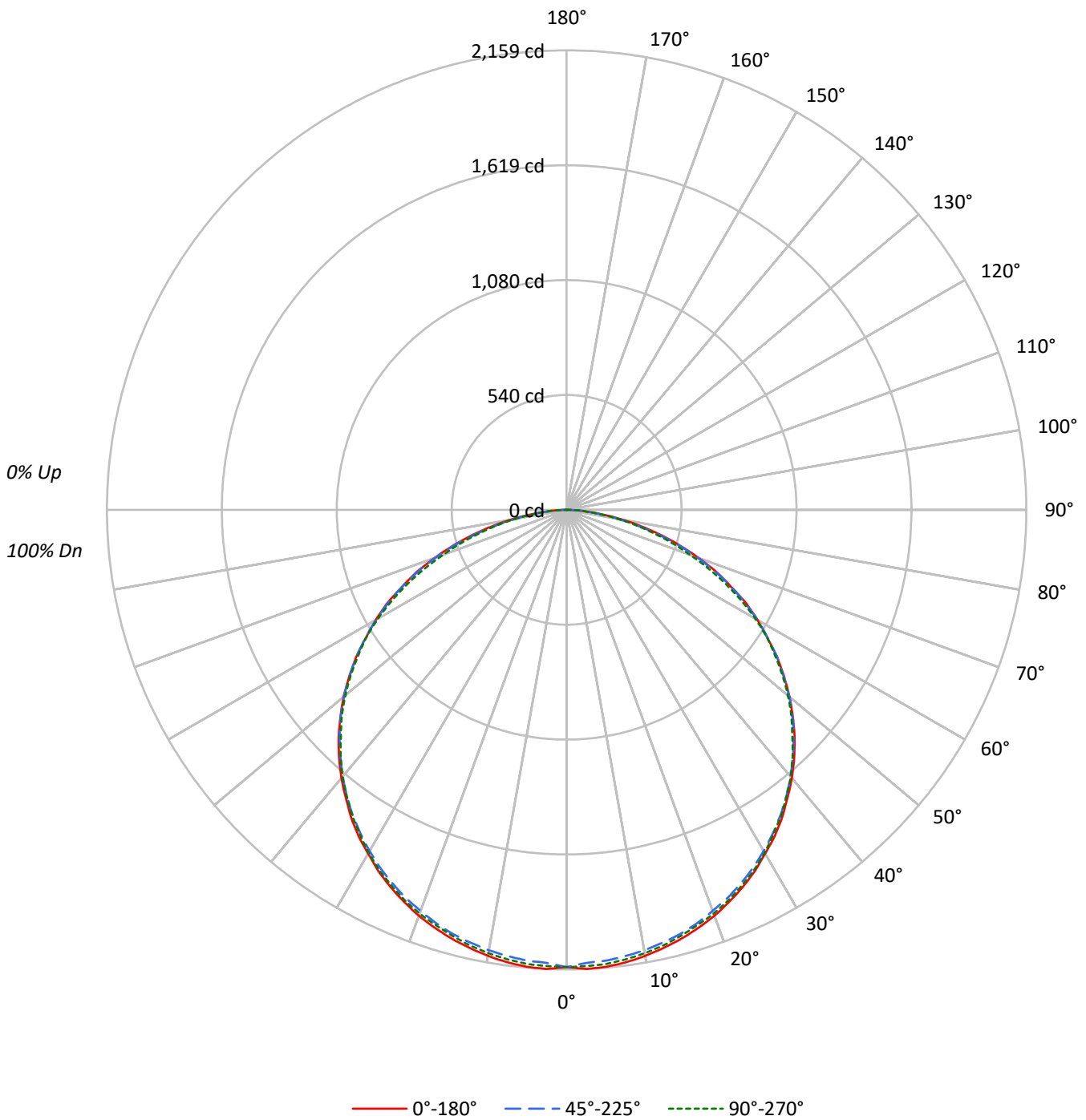
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P217988

CATALOG NUMBER: 4SNLED-LD5-64HL-UNV-L835-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P217988

CATALOG NUMBER: 4SNLED-LD5-64HL-UNV-L835-CD1-U

**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°	34614	34614	34614
5°	34727	32303	31851
10°	34564	30430	29415
15°	34409	28748	27265
20°	34287	27118	25379
25°	34118	25623	23613
30°	33881	24169	21945
35°	33722	22725	20311
40°	33456	21256	18727
45°	33132	19787	17080
50°	32654	18224	15512
55°	31995	16522	13833
60°	31106	14656	12078
65°	29742	12594	10007
70°	27810	10183	7741
75°	24870	7335	5547
80°	19913	4357	3444
85°	12278	1882	1394



TEST NUMBER: P217988

CATALOG NUMBER: 4SNLED-LD5-64HL-UNV-L835-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.6	3.2
10°-20°	586.1	9.1
20°-30°	897.9	13.9
30°-40°	1099.0	17.0
40°-50°	1163.0	18.0
50°-60°	1075.7	16.7
60°-70°	835.3	12.9
70°-80°	470.5	7.3
80°-90°	119.0	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°	1687.5	26.2
0°-40°	2786.6	43.2
0°-60°	5025.3	77.9
0°-90°	6450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6450.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2148	2148	2148	2148	2148	
5°	2155	2146	2126	2146	2141	205
15°	2086	2079	2063	2081	2072	589
25°	1956	1950	1936	1952	1947	902
35°	1764	1758	1751	1756	1756	1103
45°	1515	1512	1508	1506	1499	1167
55°	1207	1211	1207	1202	1196	1077
65°	850	857	852	841	825	843
75°	462	462	442	430	422	486
85°	98	98	96	96	94	122
90°	0	0	0	0	0	



TEST NUMBER: P217988

CATALOG NUMBER: 4SNLED-LD5-64HL-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2148.1	2148.1	2148.1	2148.1	2148.1
2.5°	2159.3	2150.4	2130.3	2150.4	2145.9
5°	2154.8	2145.9	2125.8	2145.9	2141.4
7.5°	2143.7	2137.0	2114.7	2134.7	2130.3
10°	2128.0	2121.4	2101.3	2121.4	2114.7
12.5°	2108.0	2101.3	2083.4	2101.3	2096.8
15°	2085.7	2079.0	2063.4	2081.2	2072.3
17.5°	2058.9	2054.4	2036.6	2054.4	2045.5
20°	2029.9	2021.0	2005.4	2023.2	2018.7
22.5°	1994.2	1989.7	1974.1	1989.7	1985.3
25°	1956.3	1949.6	1936.2	1951.8	1947.4
27.5°	1913.9	1909.4	1896.1	1907.2	1907.2
30°	1864.8	1862.6	1851.4	1862.6	1860.4
32.5°	1818.0	1813.5	1802.4	1811.3	1806.8
35°	1764.4	1757.8	1751.1	1755.5	1755.5
37.5°	1704.2	1702.0	1695.3	1702.0	1695.3
40°	1646.2	1641.8	1635.1	1637.3	1637.3
42.5°	1581.5	1579.3	1572.6	1572.6	1570.4
45°	1514.6	1512.4	1507.9	1505.7	1499.0
47.5°	1441.0	1438.8	1438.8	1436.5	1432.1
50°	1367.4	1367.4	1365.2	1358.5	1356.2
52.5°	1287.1	1291.5	1284.9	1280.4	1278.2
55°	1206.8	1211.2	1206.8	1202.3	1195.6
57.5°	1117.6	1126.5	1119.8	1117.6	1115.3
60°	1035.0	1039.5	1035.0	1028.3	1023.9
62.5°	950.3	950.3	943.6	939.1	925.7
65°	849.9	856.6	852.1	841.0	825.3
67.5°	760.7	756.2	751.7	738.3	720.5
70°	658.0	660.3	653.6	633.5	615.7
72.5°	559.9	564.4	551.0	524.2	519.7
75°	461.7	461.7	441.7	430.5	421.6
77.5°	361.4	363.6	336.8	334.6	332.4
80°	265.4	269.9	243.1	249.8	247.6
82.5°	180.7	176.2	165.1	165.1	162.8
85°	98.1	98.1	95.9	95.9	93.7
87.5°	37.9	40.2	44.6	49.1	46.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)