

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: P217971

Luminaire Tested: **4SNLED-LD5-56HL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217971  
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-LD5-56HL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5349.0 lumens  
Efficiency: N/A  
Efficacy: 144.6 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

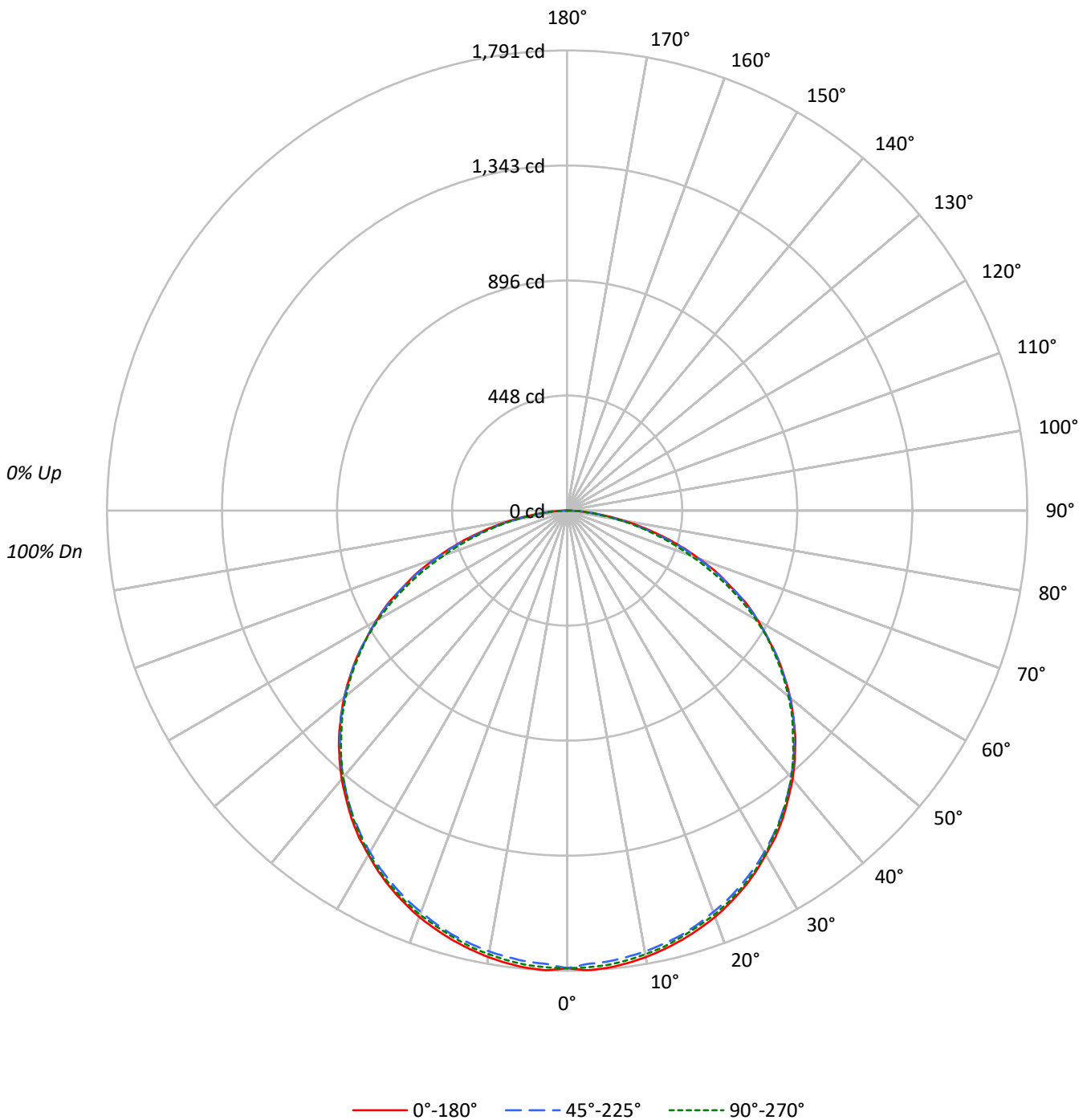
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	28705	28705	28705
5°	28800	26789	26415
10°	28665	25235	24393
15°	28534	23839	22610
20°	28434	22488	21047
25°	28295	21249	19582
30°	28098	20044	18199
35°	27967	18846	16845
40°	27745	17628	15530
45°	27477	16409	14164
50°	27080	15113	12864
55°	26534	13702	11471
60°	25795	12154	10016
65°	24664	10445	8300
70°	23064	8445	6419
75°	20625	6083	4600
80°	16514	3613	2856
85°	10188	1560	1156



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.8	3.2
10°-20°	486.0	9.1
20°-30°	744.6	13.9
30°-40°	911.4	17.0
40°-50°	964.5	18.0
50°-60°	892.0	16.7
60°-70°	692.7	13.0
70°-80°	390.2	7.3
80°-90°	98.7	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°	1399.5	26.2
0°-40°	2310.9	43.2
0°-60°	4167.5	77.9
0°-90°	5349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1781	1781	1781	1781	1781	
5°	1787	1780	1763	1780	1776	170
15°	1730	1724	1711	1726	1718	488
25°	1622	1617	1606	1619	1615	748
35°	1463	1458	1452	1456	1456	915
45°	1256	1254	1250	1249	1243	968
55°	1001	1004	1001	997	992	893
65°	705	710	707	697	684	699
75°	383	383	366	357	350	403
85°	81	81	80	80	78	101
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1781.4	1781.4	1781.4	1781.4	1781.4
2.5°	1790.7	1783.3	1766.6	1783.3	1779.6
5°	1787.0	1779.6	1762.9	1779.6	1775.9
7.5°	1777.7	1772.2	1753.7	1770.3	1766.6
10°	1764.8	1759.2	1742.6	1759.2	1753.7
12.5°	1748.1	1742.6	1727.8	1742.6	1738.9
15°	1729.6	1724.1	1711.1	1725.9	1718.5
17.5°	1707.4	1703.7	1688.9	1703.7	1696.3
20°	1683.4	1676.0	1663.0	1677.8	1674.1
22.5°	1653.8	1650.1	1637.1	1650.1	1646.4
25°	1622.4	1616.8	1605.7	1618.7	1615.0
27.5°	1587.2	1583.5	1572.4	1581.7	1581.7
30°	1546.5	1544.7	1535.4	1544.7	1542.8
32.5°	1507.7	1504.0	1494.7	1502.1	1498.4
35°	1463.3	1457.7	1452.2	1455.9	1455.9
37.5°	1413.3	1411.5	1405.9	1411.5	1405.9
40°	1365.2	1361.5	1356.0	1357.8	1357.8
42.5°	1311.6	1309.7	1304.2	1304.2	1302.3
45°	1256.1	1254.2	1250.5	1248.7	1243.1
47.5°	1195.0	1193.2	1193.2	1191.3	1187.6
50°	1134.0	1134.0	1132.1	1126.6	1124.7
52.5°	1067.4	1071.1	1065.5	1061.8	1060.0
55°	1000.8	1004.5	1000.8	997.1	991.5
57.5°	926.8	934.2	928.6	926.8	924.9
60°	858.3	862.0	858.3	852.8	849.1
62.5°	788.1	788.1	782.5	778.8	767.7
65°	704.8	710.4	706.7	697.4	684.5
67.5°	630.8	627.1	623.4	612.3	597.5
70°	545.7	547.6	542.0	525.4	510.6
72.5°	464.3	468.0	456.9	434.7	431.0
75°	382.9	382.9	366.3	357.0	349.6
77.5°	299.7	301.5	279.3	277.5	275.6
80°	220.1	223.8	201.6	207.2	205.3
82.5°	149.8	146.1	136.9	136.9	135.0
85°	81.4	81.4	79.5	79.5	77.7
87.5°	31.4	33.3	37.0	40.7	38.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)