

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: P217975

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217975  
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-LD5-56SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5346.0 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

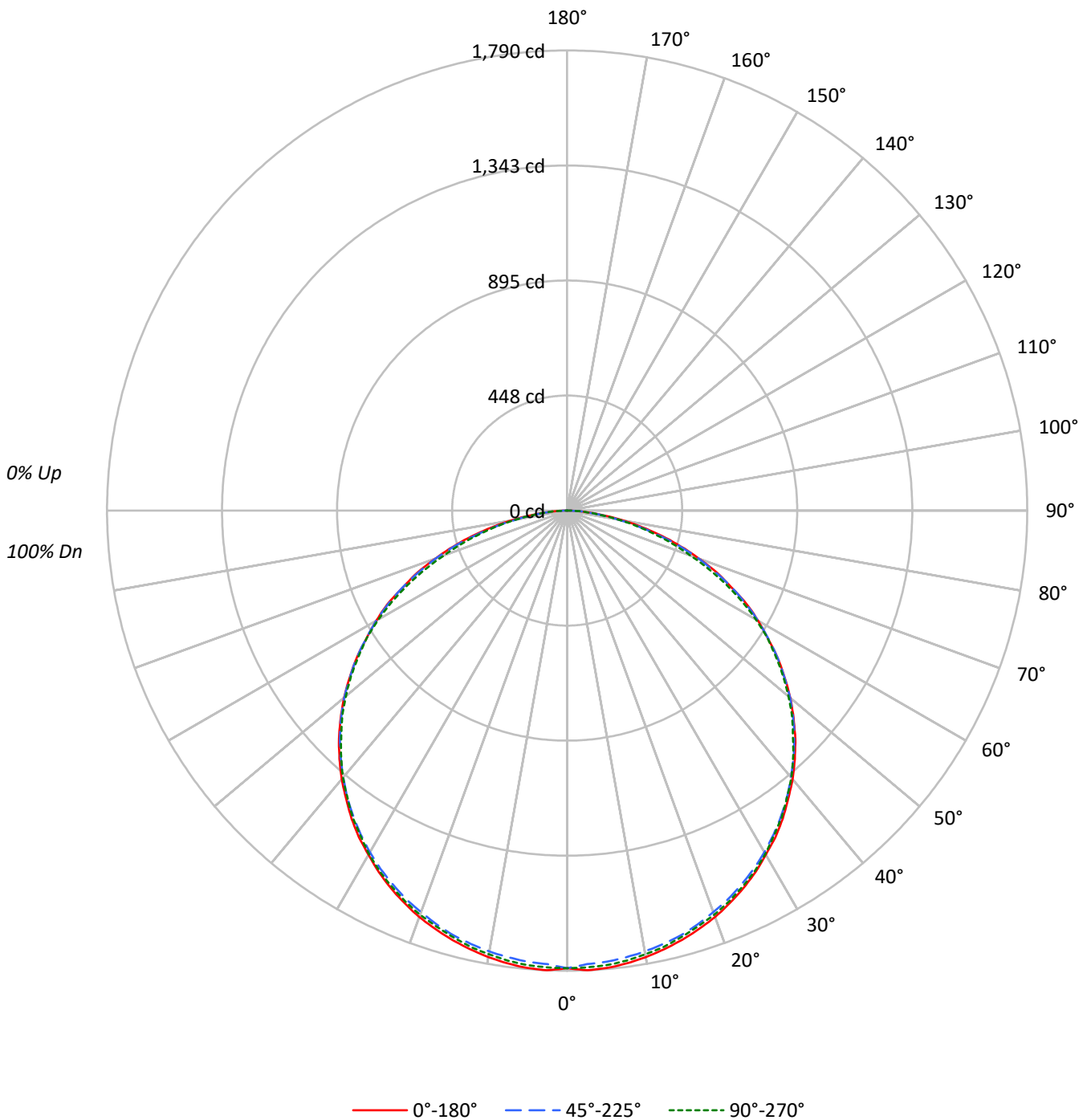
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	28689	28689	28689
5°	28784	26775	26400
10°	28649	25221	24379
15°	28519	23827	22598
20°	28419	22475	21035
25°	28277	21237	19570
30°	28081	20032	18188
35°	27950	18834	16834
40°	27731	17617	15522
45°	27462	16400	14156
50°	27063	15105	12857
55°	26518	13693	11466
60°	25783	12148	10010
65°	24650	10439	8295
70°	23051	8440	6415
75°	20614	6079	4597
80°	16507	3611	2854
85°	10175	1560	1156



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.7	3.2
10°-20°	485.7	9.1
20°-30°	744.2	13.9
30°-40°	910.9	17.0
40°-50°	964.0	18.0
50°-60°	891.5	16.7
60°-70°	692.3	13.0
70°-80°	390.0	7.3
80°-90°	98.6	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°	1398.7	26.2
0°-40°	2309.6	43.2
0°-60°	4165.1	77.9
0°-90°	5346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5346.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1780	1780	1780	1780	1780	
5°	1786	1779	1762	1779	1775	170
15°	1729	1723	1710	1725	1718	488
25°	1621	1616	1605	1618	1614	747
35°	1462	1457	1451	1455	1455	914
45°	1255	1254	1250	1248	1242	967
55°	1000	1004	1000	996	991	892
65°	704	710	706	697	684	699
75°	383	383	366	357	349	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°	1780.4	1780.4	1780.4	1780.4	1780.4
2.5°	1789.7	1782.3	1765.7	1782.3	1778.6
5°	1786.0	1778.6	1762.0	1778.6	1774.9
7.5°	1776.7	1771.2	1752.7	1769.3	1765.7
10°	1763.8	1758.3	1741.6	1758.3	1752.7
12.5°	1747.2	1741.6	1726.8	1741.6	1737.9
15°	1728.7	1723.1	1710.2	1725.0	1717.6
17.5°	1706.5	1702.8	1688.0	1702.8	1695.4
20°	1682.5	1675.1	1662.1	1676.9	1673.2
22.5°	1652.9	1649.2	1636.2	1649.2	1645.5
25°	1621.4	1615.9	1604.8	1617.7	1614.0
27.5°	1586.3	1582.6	1571.5	1580.8	1580.8
30°	1545.6	1543.8	1534.5	1543.8	1541.9
32.5°	1506.8	1503.1	1493.9	1501.3	1497.6
35°	1462.4	1456.9	1451.3	1455.0	1455.0
37.5°	1412.5	1410.7	1405.1	1410.7	1405.1
40°	1364.5	1360.8	1355.2	1357.1	1357.1
42.5°	1310.8	1309.0	1303.4	1303.4	1301.6
45°	1255.4	1253.5	1249.8	1248.0	1242.4
47.5°	1194.4	1192.5	1192.5	1190.7	1187.0
50°	1133.3	1133.3	1131.5	1125.9	1124.1
52.5°	1066.8	1070.5	1064.9	1061.2	1059.4
55°	1000.2	1003.9	1000.2	996.5	991.0
57.5°	926.3	933.7	928.1	926.3	924.4
60°	857.9	861.6	857.9	852.3	848.6
62.5°	787.6	787.6	782.1	778.4	767.3
65°	704.4	710.0	706.3	697.0	684.1
67.5°	630.5	626.8	623.1	612.0	597.2
70°	545.4	547.3	541.7	525.1	510.3
72.5°	464.1	467.8	456.7	434.5	430.8
75°	382.7	382.7	366.1	356.8	349.4
77.5°	299.5	301.4	279.2	277.3	275.5
80°	220.0	223.7	201.5	207.1	205.2
82.5°	149.8	146.1	136.8	136.8	135.0
85°	81.3	81.3	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)