

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: P217977

Luminaire Tested: **4SNLED-LD5-56SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217977  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5793.0 lumens  
Efficiency: N/A  
Efficacy: 135.4 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

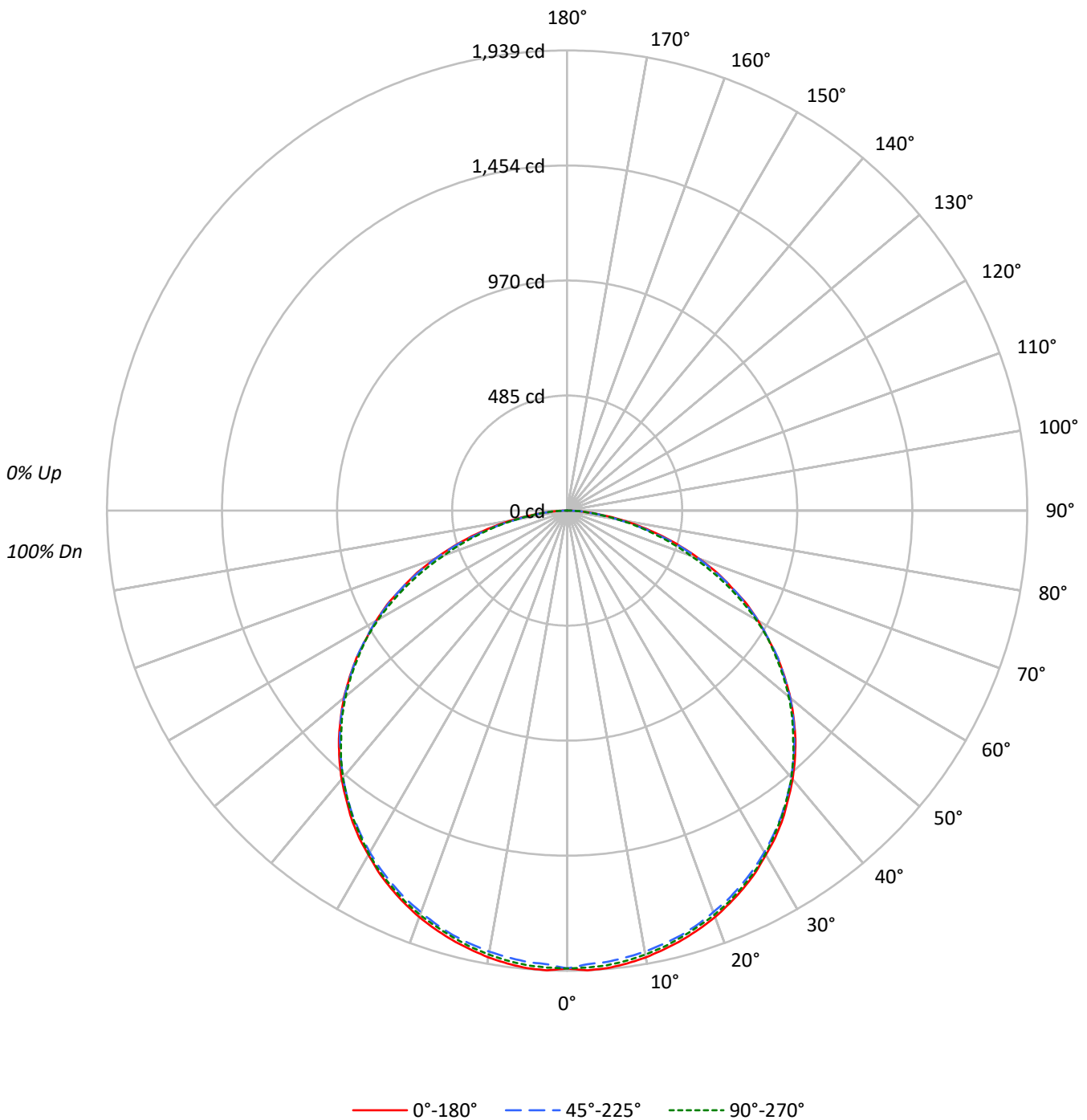
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	31088	31088	31088
5°	31190	29013	28607
10°	31045	27329	26418
15°	30903	25819	24487
20°	30794	24355	22794
25°	30642	23013	21207
30°	30430	21708	19710
35°	30287	20410	18242
40°	30047	19090	16819
45°	29756	17771	15340
50°	29327	16368	13932
55°	28737	14839	12424
60°	27938	13163	10848
65°	26712	11311	8988
70°	24979	9146	6951
75°	22338	6588	4981
80°	17887	3914	3093
85°	11039	1690	1251



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.8	3.2
10°-20°	526.4	9.1
20°-30°	806.4	13.9
30°-40°	987.1	17.0
40°-50°	1044.5	18.0
50°-60°	966.1	16.7
60°-70°	750.2	12.9
70°-80°	422.6	7.3
80°-90°	106.9	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°	1515.6	26.2
0°-40°	2502.7	43.2
0°-60°	4513.4	77.9
0°-90°	5793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5793.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1929	1929	1929	1929	1929	
5°	1935	1927	1909	1927	1923	184
15°	1873	1867	1853	1869	1861	529
25°	1757	1751	1739	1753	1749	810
35°	1585	1579	1573	1577	1577	991
45°	1360	1358	1354	1352	1346	1048
55°	1084	1088	1084	1080	1074	967
65°	763	769	765	755	741	757
75°	415	415	397	387	379	437
85°	88	88	86	86	84	110
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1929.3	1929.3	1929.3	1929.3	1929.3
2.5°	1939.3	1931.3	1913.3	1931.3	1927.3
5°	1935.3	1927.3	1909.3	1927.3	1923.3
7.5°	1925.3	1919.3	1899.3	1917.3	1913.3
10°	1911.3	1905.3	1887.2	1905.3	1899.3
12.5°	1893.2	1887.2	1871.2	1887.2	1883.2
15°	1873.2	1867.2	1853.2	1869.2	1861.2
17.5°	1849.2	1845.2	1829.1	1845.2	1837.2
20°	1823.1	1815.1	1801.1	1817.1	1813.1
22.5°	1791.1	1787.1	1773.0	1787.1	1783.1
25°	1757.0	1751.0	1739.0	1753.0	1749.0
27.5°	1719.0	1714.9	1702.9	1712.9	1712.9
30°	1674.9	1672.9	1662.9	1672.9	1670.9
32.5°	1632.8	1628.8	1618.8	1626.8	1622.8
35°	1584.7	1578.7	1572.7	1576.7	1576.7
37.5°	1530.6	1528.6	1522.6	1528.6	1522.6
40°	1478.5	1474.5	1468.5	1470.5	1470.5
42.5°	1420.4	1418.4	1412.4	1412.4	1410.4
45°	1360.3	1358.3	1354.3	1352.3	1346.3
47.5°	1294.2	1292.2	1292.2	1290.2	1286.2
50°	1228.1	1228.1	1226.1	1220.1	1218.1
52.5°	1156.0	1160.0	1154.0	1150.0	1148.0
55°	1083.9	1087.9	1083.9	1079.9	1073.8
57.5°	1003.7	1011.7	1005.7	1003.7	1001.7
60°	929.6	933.6	929.6	923.6	919.6
62.5°	853.5	853.5	847.5	843.4	831.4
65°	763.3	769.3	765.3	755.3	741.3
67.5°	683.2	679.2	675.2	663.1	647.1
70°	591.0	593.0	587.0	569.0	552.9
72.5°	502.9	506.9	494.8	470.8	466.8
75°	414.7	414.7	396.7	386.7	378.6
77.5°	324.6	326.6	302.5	300.5	298.5
80°	238.4	242.4	218.4	224.4	222.4
82.5°	162.3	158.3	148.3	148.3	146.3
85°	88.2	88.2	86.1	86.1	84.1
87.5°	34.1	36.1	40.1	44.1	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)