

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: P217970

Luminaire Tested: **4SNLED-LD5-52SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217970
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-LD5-52SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5800.0 lumens
Efficiency: N/A
Efficacy: 149.9 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

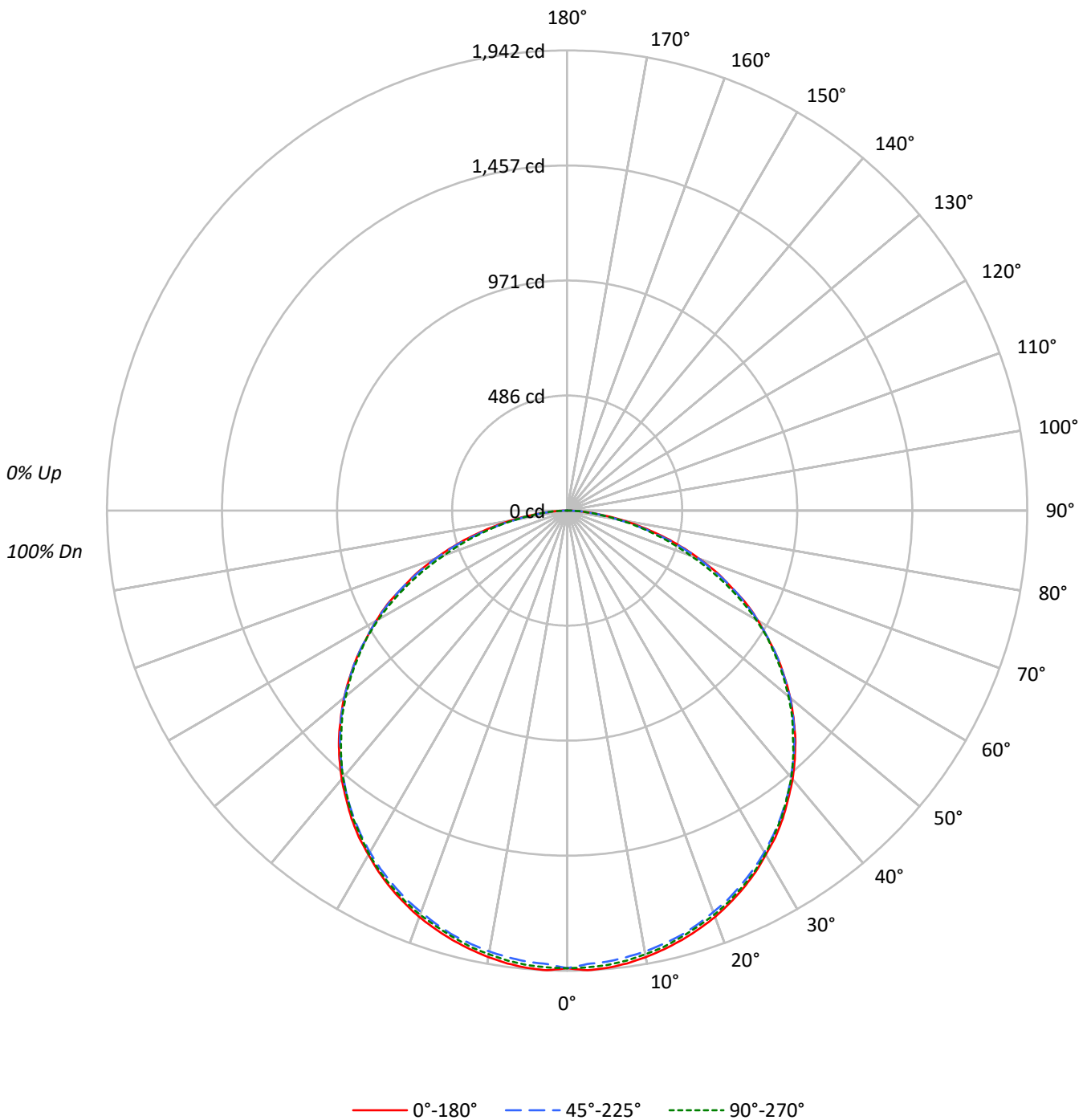
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31125	31125	31125
5°	31229	29048	28641
10°	31082	27362	26450
15°	30941	25850	24516
20°	30831	24385	22822
25°	30679	23041	21233
30°	30467	21734	19734
35°	30324	20434	18264
40°	30084	19113	16840
45°	29794	17794	15358
50°	29363	16388	13949
55°	28771	14857	12439
60°	27971	13179	10861
65°	26743	11324	8999
70°	25008	9157	6960
75°	22365	6596	4988
80°	17910	3918	3098
85°	11051	1694	1252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	3.2
10°-20°	527.0	9.1
20°-30°	807.4	13.9
30°-40°	988.3	17.0
40°-50°	1045.8	18.0
50°-60°	967.3	16.7
60°-70°	751.1	12.9
70°-80°	423.1	7.3
80°-90°	107.0	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°	1517.5	26.2
0°-40°	2505.7	43.2
0°-60°	4518.9	77.9
0°-90°	5800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1938	1930	1912	1930	1926	184
15°	1876	1870	1855	1872	1863	530
25°	1759	1753	1741	1755	1751	811
35°	1587	1581	1575	1579	1579	992
45°	1362	1360	1356	1354	1348	1050
55°	1085	1089	1085	1081	1075	968
65°	764	770	766	756	742	758
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°	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1941.7	1933.6	1915.6	1933.6	1929.6
5°	1937.7	1929.6	1911.6	1929.6	1925.6
7.5°	1927.6	1921.6	1901.6	1919.6	1915.6
10°	1913.6	1907.6	1889.5	1907.6	1901.6
12.5°	1895.5	1889.5	1873.5	1889.5	1885.5
15°	1875.5	1869.5	1855.4	1871.5	1863.4
17.5°	1851.4	1847.4	1831.3	1847.4	1839.4
20°	1825.3	1817.3	1803.3	1819.3	1815.3
22.5°	1793.2	1789.2	1775.2	1789.2	1785.2
25°	1759.1	1753.1	1741.1	1755.1	1751.1
27.5°	1721.0	1717.0	1705.0	1715.0	1715.0
30°	1676.9	1674.9	1664.9	1674.9	1672.9
32.5°	1634.8	1630.8	1620.7	1628.8	1624.7
35°	1586.6	1580.6	1574.6	1578.6	1578.6
37.5°	1532.5	1530.5	1524.5	1530.5	1524.5
40°	1480.3	1476.3	1470.3	1472.3	1472.3
42.5°	1422.2	1420.1	1414.1	1414.1	1412.1
45°	1362.0	1360.0	1356.0	1354.0	1347.9
47.5°	1295.8	1293.8	1293.8	1291.8	1287.8
50°	1229.6	1229.6	1227.6	1221.6	1219.6
52.5°	1157.4	1161.4	1155.4	1151.4	1149.4
55°	1085.2	1089.2	1085.2	1081.2	1075.1
57.5°	1004.9	1013.0	1006.9	1004.9	1002.9
60°	930.7	934.7	930.7	924.7	920.7
62.5°	854.5	854.5	848.5	844.5	832.4
65°	764.2	770.3	766.2	756.2	742.2
67.5°	684.0	680.0	676.0	663.9	647.9
70°	591.7	593.7	587.7	569.7	553.6
72.5°	503.5	507.5	495.4	471.4	467.4
75°	415.2	415.2	397.2	387.1	379.1
77.5°	324.9	327.0	302.9	300.9	298.9
80°	238.7	242.7	218.6	224.7	222.7
82.5°	162.5	158.5	148.4	148.4	146.4
85°	88.3	88.3	86.3	86.3	84.2
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)