

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: P217968

Luminaire Tested: **4SNLED-LD5-52SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217968
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5257.0 lumens
Efficiency: N/A
Efficacy: 135.8 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

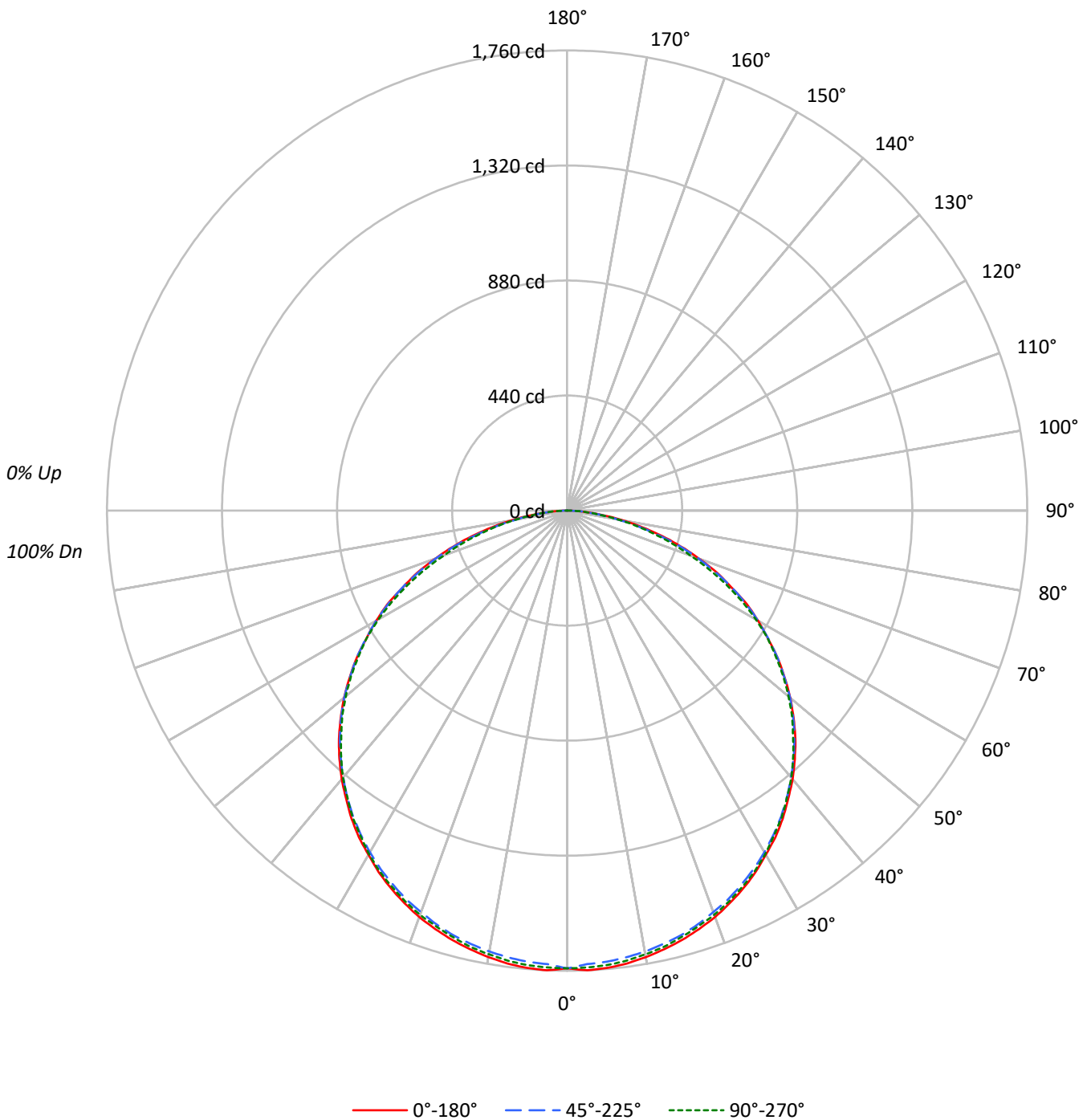
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28212	28212	28212
5°	28305	26328	25959
10°	28171	24801	23973
15°	28044	23430	22222
20°	27945	22101	20686
25°	27806	20884	19245
30°	27614	19699	17886
35°	27486	18521	16554
40°	27267	17323	15263
45°	27005	16127	13920
50°	26614	14854	12643
55°	26078	13466	11275
60°	25354	11946	9844
65°	24241	10265	8157
70°	22667	8300	6309
75°	20270	5978	4521
80°	16236	3552	2807
85°	10013	1535	1136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	3.2
10°-20°	477.7	9.1
20°-30°	731.8	13.9
30°-40°	895.7	17.0
40°-50°	947.9	18.0
50°-60°	876.7	16.7
60°-70°	680.8	12.9
70°-80°	383.4	7.3
80°-90°	97.0	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°	1375.4	26.2
0°-40°	2271.2	43.2
0°-60°	4095.8	77.9
0°-90°	5257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1751	1751	1751	1751	1751	
5°	1756	1749	1733	1749	1745	167
15°	1700	1694	1682	1696	1689	480
25°	1594	1589	1578	1591	1587	735
35°	1438	1433	1427	1431	1431	899
45°	1234	1233	1229	1227	1222	951
55°	984	987	984	980	974	877
65°	693	698	694	685	673	687
75°	376	376	360	351	344	396
85°	80	80	78	78	76	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1750.8	1750.8	1750.8	1750.8	1750.8
2.5°	1759.9	1752.6	1736.3	1752.6	1749.0
5°	1756.3	1749.0	1732.6	1749.0	1745.3
7.5°	1747.2	1741.7	1723.5	1739.9	1736.3
10°	1734.4	1729.0	1712.6	1729.0	1723.5
12.5°	1718.1	1712.6	1698.1	1712.6	1709.0
15°	1699.9	1694.4	1681.7	1696.3	1689.0
17.5°	1678.1	1674.4	1659.9	1674.4	1667.2
20°	1654.4	1647.2	1634.4	1649.0	1645.4
22.5°	1625.4	1621.7	1609.0	1621.7	1618.1
25°	1594.4	1589.0	1578.1	1590.8	1587.2
27.5°	1559.9	1556.3	1545.4	1554.4	1554.4
30°	1519.9	1518.1	1509.0	1518.1	1516.3
32.5°	1481.7	1478.1	1469.0	1476.3	1472.6
35°	1438.1	1432.6	1427.2	1430.8	1430.8
37.5°	1389.0	1387.2	1381.7	1387.2	1381.7
40°	1341.7	1338.1	1332.6	1334.5	1334.5
42.5°	1289.0	1287.2	1281.7	1281.7	1279.9
45°	1234.5	1232.7	1229.0	1227.2	1221.7
47.5°	1174.5	1172.7	1172.7	1170.8	1167.2
50°	1114.5	1114.5	1112.7	1107.2	1105.4
52.5°	1049.0	1052.7	1047.2	1043.6	1041.8
55°	983.6	987.2	983.6	979.9	974.5
57.5°	910.9	918.1	912.7	910.9	909.0
60°	843.6	847.2	843.6	838.1	834.5
62.5°	774.5	774.5	769.0	765.4	754.5
65°	692.7	698.1	694.5	685.4	672.7
67.5°	620.0	616.3	612.7	601.8	587.2
70°	536.3	538.1	532.7	516.3	501.8
72.5°	456.3	460.0	449.1	427.2	423.6
75°	376.3	376.3	360.0	350.9	343.6
77.5°	294.5	296.3	274.5	272.7	270.9
80°	216.4	220.0	198.2	203.6	201.8
82.5°	147.3	143.6	134.5	134.5	132.7
85°	80.0	80.0	78.2	78.2	76.4
87.5°	30.9	32.7	36.4	40.0	38.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)