

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: P217969

Luminaire Tested: **4SNLED-LD5-52SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217969
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5362.0 lumens
Efficiency: N/A
Efficacy: 138.6 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

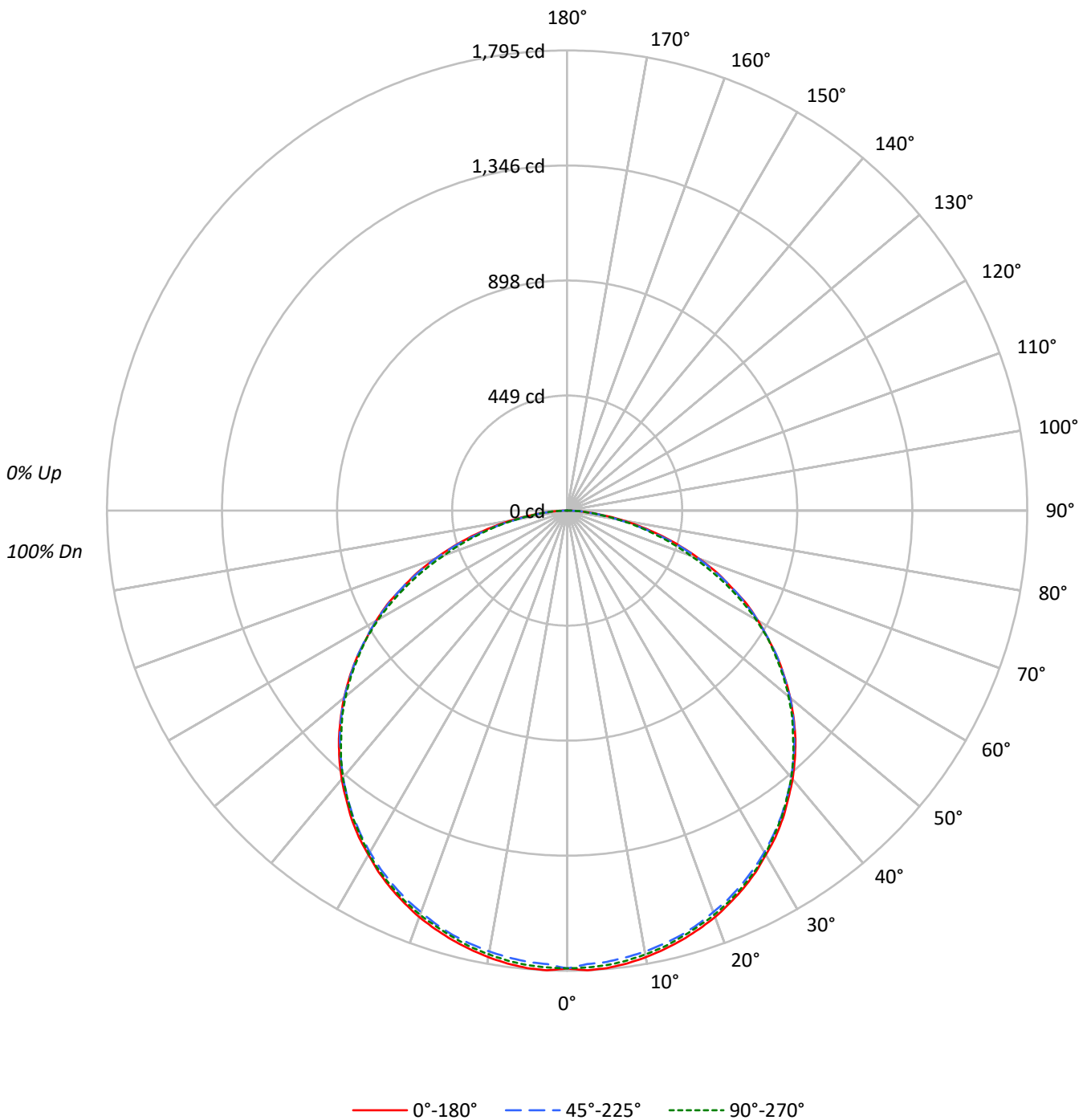
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28776	28776	28776
5°	28869	26854	26479
10°	28735	25296	24453
15°	28603	23898	22665
20°	28504	22543	21098
25°	28363	21301	19630
30°	28167	20092	18244
35°	28034	18891	16885
40°	27812	17670	15568
45°	27543	16450	14198
50°	27145	15150	12896
55°	26597	13734	11499
60°	25858	12184	10041
65°	24724	10470	8319
70°	23119	8465	6434
75°	20679	6098	4611
80°	16559	3622	2863
85°	10213	1564	1159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	3.2
10°-20°	487.2	9.1
20°-30°	746.4	13.9
30°-40°	913.6	17.0
40°-50°	966.8	18.0
50°-60°	894.2	16.7
60°-70°	694.4	12.9
70°-80°	391.1	7.3
80°-90°	98.9	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°	1402.9	26.2
0°-40°	2316.5	43.2
0°-60°	4177.6	77.9
0°-90°	5362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1786	1786	1786	1786	1786	
5°	1791	1784	1767	1784	1780	170
15°	1734	1728	1715	1730	1723	490
25°	1626	1621	1610	1623	1619	750
35°	1467	1461	1456	1459	1459	917
45°	1259	1257	1254	1252	1246	970
55°	1003	1007	1003	1000	994	895
65°	706	712	708	699	686	701
75°	384	384	367	358	350	404
85°	82	82	80	80	78	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1785.8	1785.8	1785.8	1785.8	1785.8
2.5°	1795.0	1787.6	1770.9	1787.6	1783.9
5°	1791.3	1783.9	1767.2	1783.9	1780.2
7.5°	1782.1	1776.5	1758.0	1774.6	1770.9
10°	1769.1	1763.5	1746.8	1763.5	1758.0
12.5°	1752.4	1746.8	1732.0	1746.8	1743.1
15°	1733.8	1728.3	1715.3	1730.1	1722.7
17.5°	1711.6	1707.9	1693.1	1707.9	1700.5
20°	1687.5	1680.1	1667.1	1681.9	1678.2
22.5°	1657.8	1654.1	1641.1	1654.1	1650.4
25°	1626.3	1620.7	1609.6	1622.6	1618.9
27.5°	1591.1	1587.4	1576.2	1585.5	1585.5
30°	1550.3	1548.4	1539.1	1548.4	1546.6
32.5°	1511.3	1507.6	1498.3	1505.8	1502.0
35°	1466.8	1461.3	1455.7	1459.4	1459.4
37.5°	1416.7	1414.9	1409.3	1414.9	1409.3
40°	1368.5	1364.8	1359.3	1361.1	1361.1
42.5°	1314.8	1312.9	1307.3	1307.3	1305.5
45°	1259.1	1257.3	1253.6	1251.7	1246.1
47.5°	1197.9	1196.1	1196.1	1194.2	1190.5
50°	1136.7	1136.7	1134.9	1129.3	1127.5
52.5°	1070.0	1073.7	1068.1	1064.4	1062.6
55°	1003.2	1006.9	1003.2	999.5	993.9
57.5°	929.0	936.5	930.9	929.0	927.2
60°	860.4	864.1	860.4	854.9	851.2
62.5°	790.0	790.0	784.4	780.7	769.6
65°	706.5	712.1	708.4	699.1	686.1
67.5°	632.3	628.6	624.9	613.8	599.0
70°	547.0	548.9	543.3	526.6	511.8
72.5°	465.5	469.2	458.0	435.8	432.1
75°	383.9	383.9	367.2	357.9	350.5
77.5°	300.4	302.3	280.0	278.2	276.3
80°	220.7	224.4	202.1	207.7	205.8
82.5°	150.2	146.5	137.2	137.2	135.4
85°	81.6	81.6	79.7	79.7	77.9
87.5°	31.5	33.4	37.1	40.8	38.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)