

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: P217966

Luminaire Tested: **4SNLED-LD5-48SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217966
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-LD5-48SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5314.0 lumens
Efficiency: N/A
Efficacy: 153.6 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

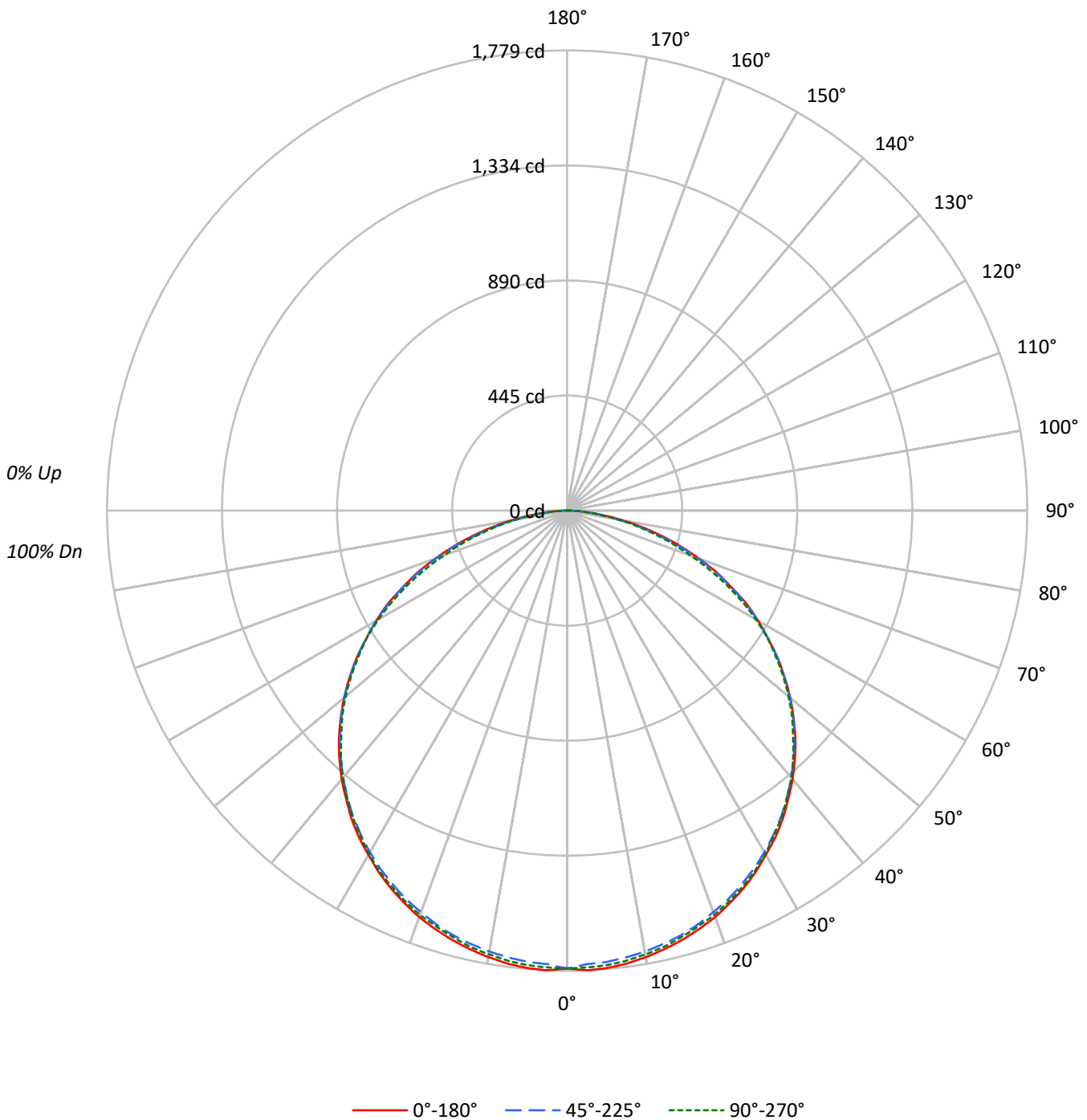
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28518	28518	28518
5°	28611	26614	26242
10°	28477	25070	24233
15°	28348	23683	22462
20°	28249	22342	20910
25°	28108	21110	19454
30°	27914	19913	18080
35°	27784	18723	16733
40°	27564	17512	15428
45°	27298	16302	14072
50°	26903	15014	12780
55°	26359	13611	11397
60°	25627	12075	9950
65°	24503	10376	8245
70°	22912	8390	6376
75°	20490	6043	4569
80°	16409	3590	2838
85°	10125	1551	1148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	3.2
10°-20°	482.8	9.1
20°-30°	739.8	13.9
30°-40°	905.5	17.0
40°-50°	958.2	18.0
50°-60°	886.2	16.7
60°-70°	688.1	12.9
70°-80°	387.6	7.3
80°-90°	98.0	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°	1390.3	26.2
0°-40°	2295.8	43.2
0°-60°	4140.2	77.9
0°-90°	5314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1770	1770	1770	1770	1770	
5°	1775	1768	1751	1768	1764	169
15°	1718	1713	1700	1715	1707	485
25°	1612	1606	1595	1608	1604	743
35°	1454	1448	1443	1446	1446	909
45°	1248	1246	1242	1240	1235	962
55°	994	998	994	991	985	887
65°	700	706	702	693	680	695
75°	380	380	364	355	347	401
85°	81	81	79	79	77	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1769.8	1769.8	1769.8	1769.8	1769.8
2.5°	1779.0	1771.6	1755.1	1771.6	1767.9
5°	1775.3	1767.9	1751.4	1767.9	1764.3
7.5°	1766.1	1760.6	1742.2	1758.8	1755.1
10°	1753.2	1747.7	1731.2	1747.7	1742.2
12.5°	1736.7	1731.2	1716.5	1731.2	1727.5
15°	1718.3	1712.8	1699.9	1714.7	1707.3
17.5°	1696.3	1692.6	1677.9	1692.6	1685.2
20°	1672.4	1665.0	1652.2	1666.9	1663.2
22.5°	1643.0	1639.3	1626.4	1639.3	1635.6
25°	1611.7	1606.2	1595.2	1608.1	1604.4
27.5°	1576.8	1573.1	1562.1	1571.3	1571.3
30°	1536.4	1534.5	1525.4	1534.5	1532.7
32.5°	1497.8	1494.1	1484.9	1492.3	1488.6
35°	1453.7	1448.2	1442.7	1446.3	1446.3
37.5°	1404.1	1402.2	1396.7	1402.2	1396.7
40°	1356.3	1352.6	1347.1	1348.9	1348.9
42.5°	1303.0	1301.1	1295.6	1295.6	1293.8
45°	1247.9	1246.0	1242.3	1240.5	1235.0
47.5°	1187.2	1185.4	1185.4	1183.5	1179.9
50°	1126.6	1126.6	1124.7	1119.2	1117.4
52.5°	1060.4	1064.1	1058.6	1054.9	1053.0
55°	994.2	997.9	994.2	990.6	985.1
57.5°	920.7	928.1	922.6	920.7	918.9
60°	852.7	856.4	852.7	847.2	843.5
62.5°	782.9	782.9	777.4	773.7	762.7
65°	700.2	705.7	702.0	692.8	680.0
67.5°	626.7	623.0	619.3	608.3	593.6
70°	542.1	544.0	538.5	521.9	507.2
72.5°	461.3	465.0	453.9	431.9	428.2
75°	380.4	380.4	363.9	354.7	347.3
77.5°	297.7	299.6	277.5	275.7	273.8
80°	218.7	222.4	200.3	205.8	204.0
82.5°	148.9	145.2	136.0	136.0	134.2
85°	80.9	80.9	79.0	79.0	77.2
87.5°	31.2	33.1	36.8	40.4	38.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)