

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: P217979

Luminaire Tested: **4SNLED-LD5-60HL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217979
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-LD5-60HL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5712.0 lumens
Efficiency: N/A
Efficacy: 142.8 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

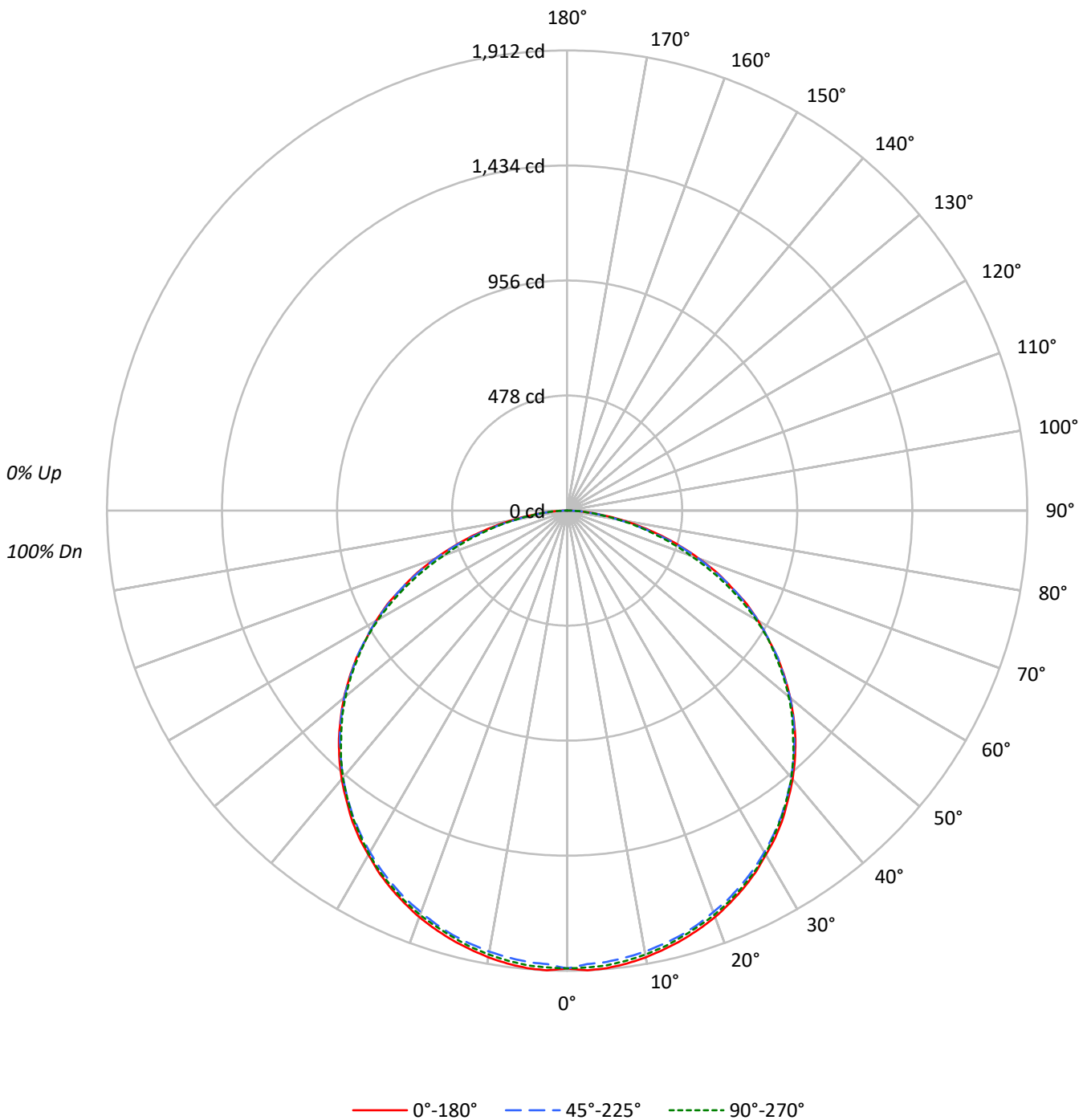
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30653	30653	30653
5°	30755	28608	28207
10°	30611	26948	26048
15°	30471	25458	24145
20°	30363	24014	22476
25°	30213	22692	20910
30°	30005	21404	19434
35°	29865	20124	17988
40°	29629	18824	16585
45°	29341	17523	15126
50°	28917	16139	13738
55°	28334	14631	12250
60°	27547	12979	10695
65°	26337	11153	8862
70°	24632	9018	6854
75°	22026	6495	4913
80°	17639	3859	3050
85°	10876	1666	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	3.2
10°-20°	519.0	9.1
20°-30°	795.2	13.9
30°-40°	973.3	17.0
40°-50°	1030.0	18.0
50°-60°	952.6	16.7
60°-70°	739.7	12.9
70°-80°	416.6	7.3
80°-90°	105.4	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°	1494.5	26.2
0°-40°	2467.7	43.2
0°-60°	4450.3	77.9
0°-90°	5712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1902	1902	1902	1902	1902	
5°	1908	1900	1883	1900	1896	181
15°	1847	1841	1827	1843	1835	522
25°	1732	1726	1715	1728	1724	799
35°	1563	1557	1551	1555	1555	977
45°	1341	1339	1335	1333	1328	1034
55°	1069	1073	1069	1065	1059	953
65°	753	759	755	745	731	747
75°	409	409	391	381	373	431
85°	87	87	85	85	83	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1912.2	1904.3	1886.5	1904.3	1900.4
5°	1908.3	1900.4	1882.6	1900.4	1896.4
7.5°	1898.4	1892.5	1872.7	1890.5	1886.5
10°	1884.6	1878.6	1860.9	1878.6	1872.7
12.5°	1866.8	1860.9	1845.0	1860.9	1856.9
15°	1847.0	1841.1	1827.3	1843.1	1835.2
17.5°	1823.3	1819.4	1803.6	1819.4	1811.5
20°	1797.6	1789.7	1775.9	1791.7	1787.8
22.5°	1766.0	1762.1	1748.3	1762.1	1758.1
25°	1732.4	1726.5	1714.7	1728.5	1724.5
27.5°	1694.9	1691.0	1679.1	1689.0	1689.0
30°	1651.5	1649.5	1639.6	1649.5	1647.5
32.5°	1610.0	1606.0	1596.1	1604.0	1600.1
35°	1562.6	1556.6	1550.7	1554.7	1554.7
37.5°	1509.2	1507.2	1501.3	1507.2	1501.3
40°	1457.9	1453.9	1448.0	1450.0	1450.0
42.5°	1400.6	1398.6	1392.7	1392.7	1390.7
45°	1341.3	1339.3	1335.4	1333.4	1327.5
47.5°	1276.1	1274.1	1274.1	1272.2	1268.2
50°	1210.9	1210.9	1209.0	1203.0	1201.1
52.5°	1139.8	1143.8	1137.8	1133.9	1131.9
55°	1068.7	1072.7	1068.7	1064.8	1058.8
57.5°	989.7	997.6	991.7	989.7	987.7
60°	916.6	920.5	916.6	910.7	906.7
62.5°	841.5	841.5	835.6	831.7	819.8
65°	752.6	758.6	754.6	744.7	730.9
67.5°	673.6	669.7	665.7	653.9	638.1
70°	582.8	584.7	578.8	561.0	545.2
72.5°	495.8	499.8	487.9	464.2	460.3
75°	408.9	408.9	391.1	381.3	373.4
77.5°	320.0	322.0	298.3	296.3	294.3
80°	235.1	239.0	215.3	221.2	219.3
82.5°	160.0	156.1	146.2	146.2	144.2
85°	86.9	86.9	84.9	84.9	83.0
87.5°	33.6	35.6	39.5	43.5	41.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)