

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: P217981

Luminaire Tested: **4SNLED-LD5-60HL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217981
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6189.0 lumens
Efficiency: N/A
Efficacy: 154.7 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

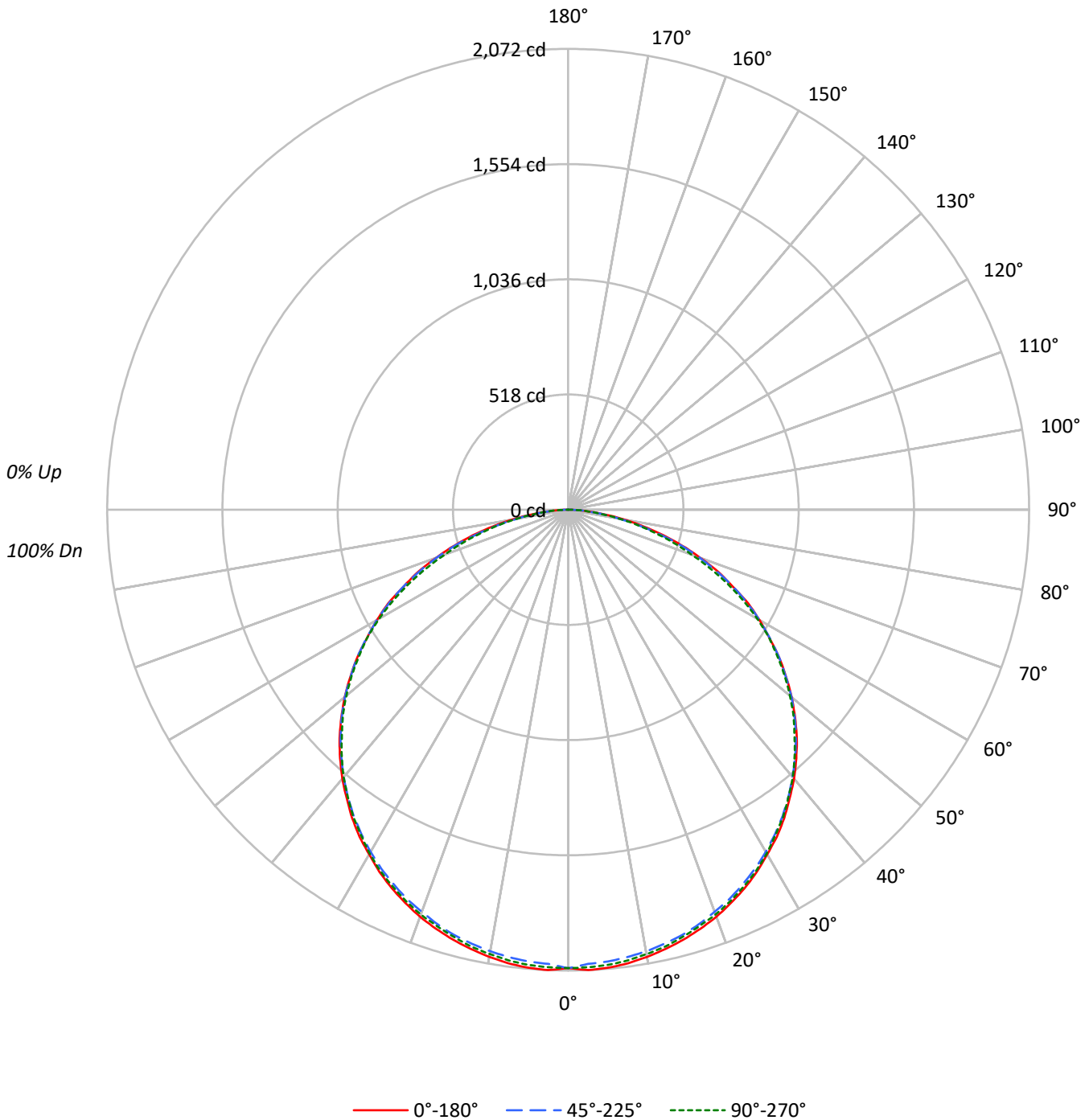
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33213	33213	33213
5°	33322	30997	30563
10°	33166	29197	28224
15°	33016	27584	26161
20°	32901	26020	24353
25°	32736	24587	22657
30°	32511	23191	21057
35°	32357	21805	19489
40°	32102	20395	17968
45°	31791	18986	16388
50°	31333	17486	14885
55°	30701	15854	13273
60°	29847	14063	11588
65°	28538	12084	9602
70°	26686	9770	7426
75°	23868	7038	5322
80°	19110	4181	3305
85°	11790	1806	1337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	3.2
10°-20°	562.3	9.1
20°-30°	861.6	13.9
30°-40°	1054.5	17.0
40°-50°	1116.0	18.0
50°-60°	1032.1	16.7
60°-70°	801.5	12.9
70°-80°	451.4	7.3
80°-90°	114.2	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°	1619.2	26.2
0°-40°	2673.8	43.2
0°-60°	4821.9	77.9
0°-90°	6189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2061	2061	2061	2061	2061	
5°	2068	2059	2040	2059	2055	196
15°	2001	1995	1980	1997	1988	565
25°	1877	1871	1858	1873	1869	865
35°	1693	1687	1680	1684	1684	1059
45°	1453	1451	1447	1445	1438	1120
55°	1158	1162	1158	1154	1147	1033
65°	816	822	818	807	792	809
75°	443	443	424	413	404	467
85°	94	94	92	92	90	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2061.2	2061.2	2061.2	2061.2	2061.2
2.5°	2071.9	2063.3	2044.1	2063.3	2059.1
5°	2067.6	2059.1	2039.8	2059.1	2054.8
7.5°	2056.9	2050.5	2029.1	2048.4	2044.1
10°	2041.9	2035.5	2016.2	2035.5	2029.1
12.5°	2022.7	2016.2	1999.1	2016.2	2012.0
15°	2001.3	1994.8	1979.9	1997.0	1988.4
17.5°	1975.6	1971.3	1954.2	1971.3	1962.7
20°	1947.8	1939.2	1924.2	1941.3	1937.1
22.5°	1913.5	1909.2	1894.2	1909.2	1904.9
25°	1877.1	1870.7	1857.9	1872.8	1868.6
27.5°	1836.5	1832.2	1819.3	1830.0	1830.0
30°	1789.4	1787.2	1776.5	1787.2	1785.1
32.5°	1744.4	1740.1	1729.4	1738.0	1733.7
35°	1693.0	1686.6	1680.2	1684.5	1684.5
37.5°	1635.3	1633.1	1626.7	1633.1	1626.7
40°	1579.6	1575.3	1568.9	1571.0	1571.0
42.5°	1517.5	1515.4	1509.0	1509.0	1506.8
45°	1453.3	1451.2	1446.9	1444.8	1438.3
47.5°	1382.7	1380.6	1380.6	1378.4	1374.1
50°	1312.1	1312.1	1309.9	1303.5	1301.4
52.5°	1235.0	1239.3	1232.9	1228.6	1226.4
55°	1158.0	1162.2	1158.0	1153.7	1147.2
57.5°	1072.3	1080.9	1074.5	1072.3	1070.2
60°	993.1	997.4	993.1	986.7	982.4
62.5°	911.8	911.8	905.4	901.1	888.3
65°	815.5	821.9	817.6	806.9	791.9
67.5°	729.9	725.6	721.3	708.5	691.3
70°	631.4	633.6	627.1	607.9	590.7
72.5°	537.2	541.5	528.7	503.0	498.7
75°	443.1	443.1	423.8	413.1	404.5
77.5°	346.7	348.9	323.2	321.1	318.9
80°	254.7	259.0	233.3	239.7	237.6
82.5°	173.4	169.1	158.4	158.4	156.2
85°	94.2	94.2	92.0	92.0	89.9
87.5°	36.4	38.5	42.8	47.1	44.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)