

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: P218580

Luminaire Tested: **4SNLED-LD5-46SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-46SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4743.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

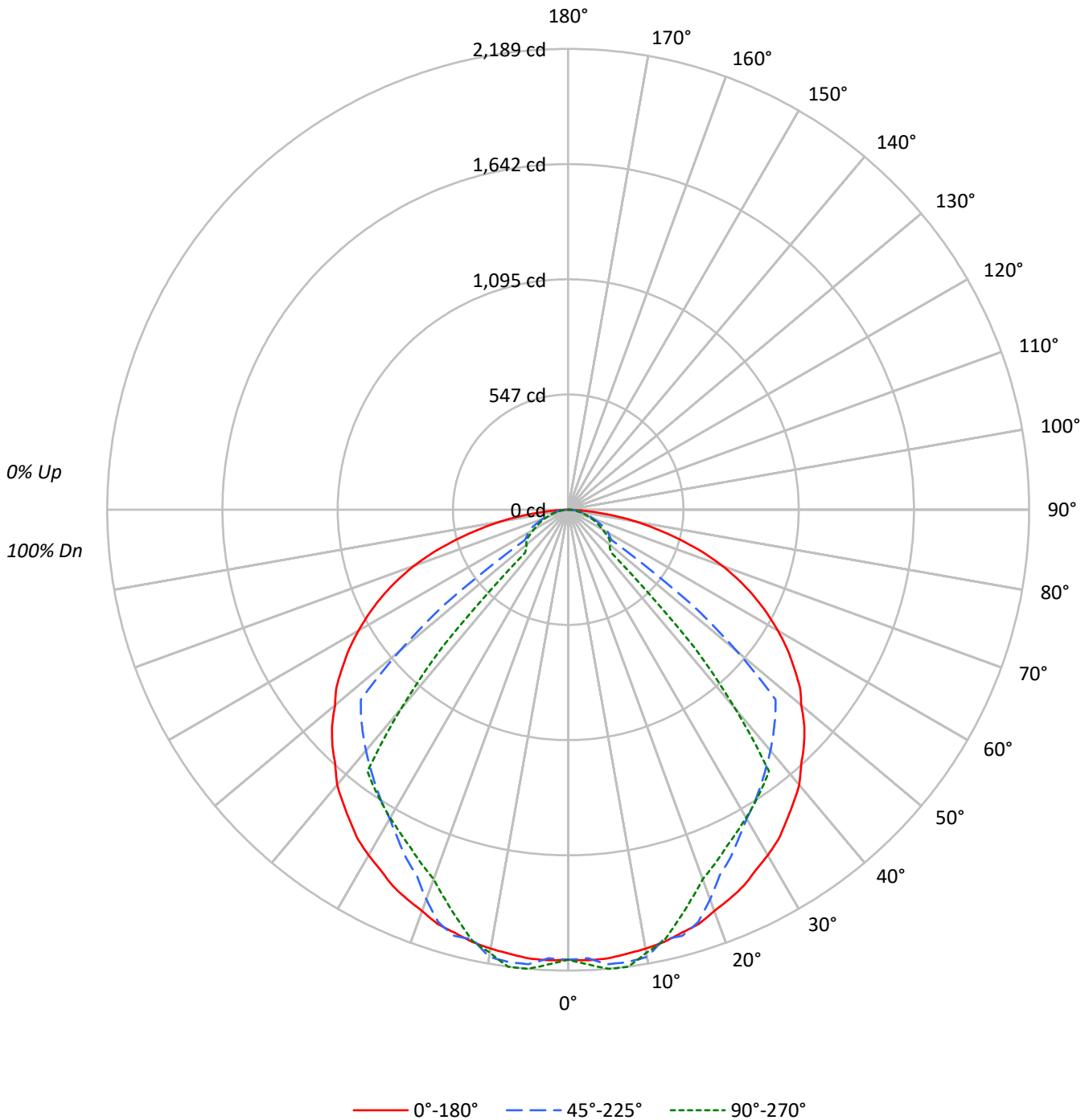
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34443	34443	34443
5°	34489	32932	32565
10°	34397	31240	29732
15°	34325	29193	26560
20°	34265	26628	23482
25°	34386	24129	21478
30°	34429	22122	19932
35°	34517	20708	18605
40°	34691	19425	14176
45°	34634	18244	3297
50°	34502	13970	2971
55°	34697	3421	2719
60°	34574	3118	2218
65°	34110	2632	1830
70°	32831	2043	1431
75°	29583	1519	1042
80°	24505	1020	654
85°	14556	583	295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	4.4
10°-20°	584.9	12.3
20°-30°	861.5	18.2
30°-40°	1036.9	21.9
40°-50°	888.1	18.7
50°-60°	574.7	12.1
60°-70°	382.0	8.1
70°-80°	162.9	3.4
80°-90°	45.6	1.0
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°	1652.8	34.8
0°-40°	2689.7	56.7
0°-60°	4152.5	87.5
0°-90°	4743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2138	2138	2138	2138	2138	
5°	2140	2147	2167	2192	2189	203
15°	2081	2138	2095	2051	2019	588
25°	1972	1984	1823	1784	1771	908
35°	1806	1737	1596	1608	1608	1132
45°	1583	1408	1390	849	289	1221
55°	1309	1111	250	238	235	1170
65°	975	700	178	153	151	961
75°	549	129	92	82	79	582
85°	116	35	30	22	20	149
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2137.5	2137.5	2137.5	2137.5	2137.5
2.5°	2142.4	2135.0	2132.5	2159.7	2162.2
5°	2140.0	2147.4	2167.2	2191.9	2189.4
7.5°	2127.6	2152.3	2167.2	2204.3	2189.4
10°	2117.7	2162.2	2157.3	2159.7	2137.5
12.5°	2102.8	2144.9	2090.5	2127.6	2097.9
15°	2080.6	2137.5	2095.4	2050.9	2018.7
17.5°	2063.3	2122.6	2053.4	1947.0	1942.0
20°	2028.6	2060.8	1969.2	1892.6	1867.8
22.5°	2001.4	2038.5	1880.2	1828.2	1820.8
25°	1971.7	1984.1	1823.3	1783.7	1771.3
27.5°	1929.7	1954.4	1756.5	1736.7	1729.3
30°	1895.0	1895.0	1694.6	1694.6	1689.7
32.5°	1857.9	1815.9	1647.6	1650.1	1650.1
35°	1806.0	1736.7	1595.7	1608.1	1608.1
37.5°	1756.5	1640.2	1543.7	1563.5	1566.0
40°	1707.0	1566.0	1494.3	1516.5	1239.4
42.5°	1637.7	1484.4	1442.3	1167.7	883.2
45°	1583.3	1407.7	1390.3	848.6	289.4
47.5°	1521.5	1333.4	1335.9	269.7	267.2
50°	1444.8	1256.8	1046.5	254.8	259.8
52.5°	1387.9	1187.5	737.2	247.4	249.9
55°	1308.7	1110.8	249.9	237.5	235.0
57.5°	1234.5	1039.1	232.5	220.2	210.3
60°	1150.4	962.4	220.2	195.4	188.0
62.5°	1063.8	885.7	202.9	173.2	168.2
65°	974.7	700.1	178.1	153.4	150.9
67.5°	880.7	460.2	150.9	136.1	133.6
70°	776.8	180.6	131.1	118.7	113.8
72.5°	668.0	155.9	111.3	101.4	96.5
75°	549.2	128.6	91.5	81.6	79.2
77.5°	437.9	96.5	74.2	64.3	61.8
80°	326.6	71.7	56.9	49.5	47.0
82.5°	222.7	52.0	42.1	34.6	32.2
85°	116.3	34.6	29.7	22.3	19.8
87.5°	44.5	22.3	17.3	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)