

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: P218203

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-46SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4302.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

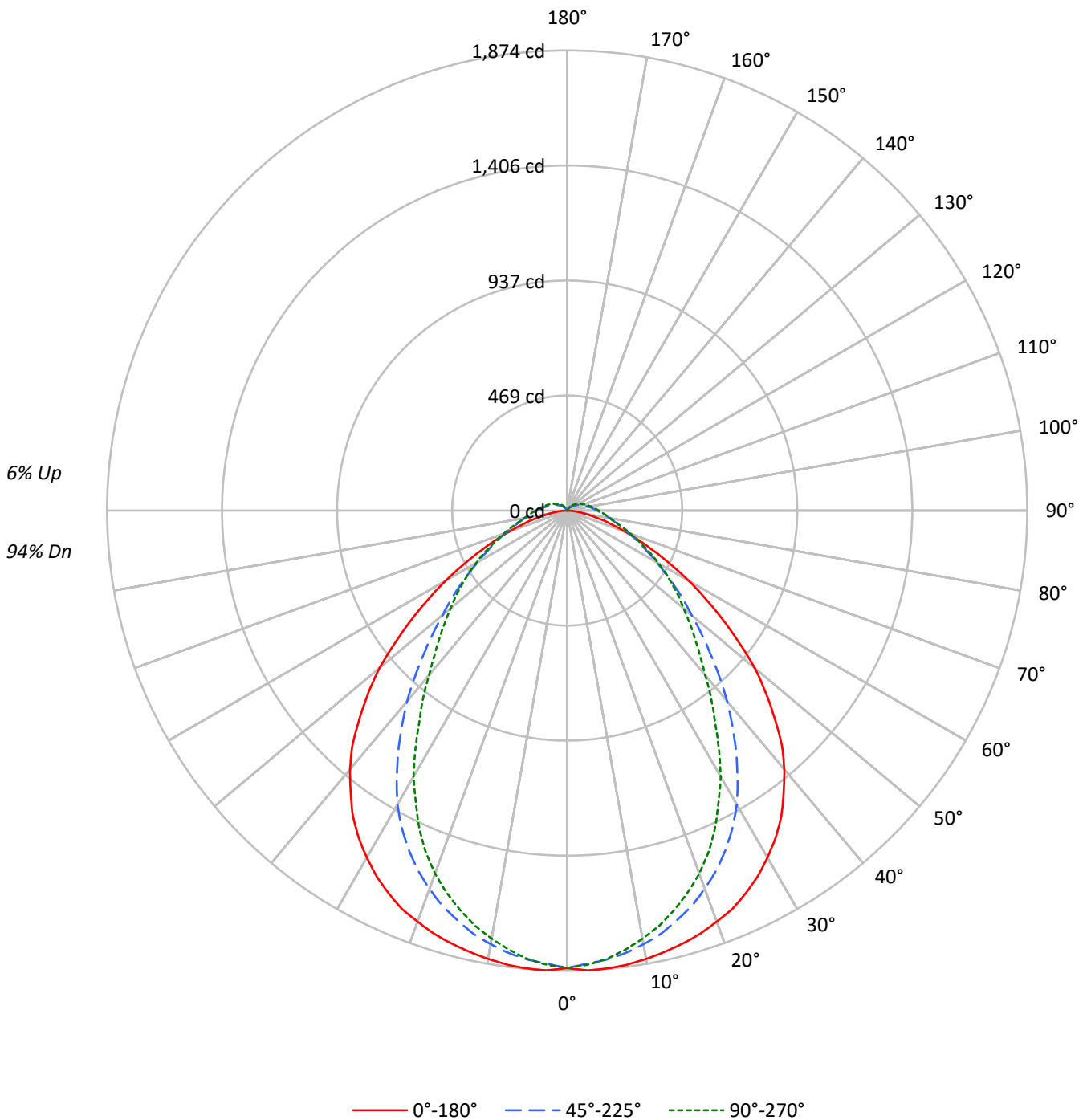
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30021	30021	30021
5°	30173	27898	27273
10°	30114	25962	24623
15°	30101	24062	22156
20°	30092	22159	19776
25°	30002	20187	17287
30°	29649	18049	14758
35°	29066	15560	12141
40°	27960	13170	10007
45°	26130	10826	8393
50°	23816	8835	7078
55°	20491	7292	6031
60°	17167	5970	5053
65°	13641	4957	4177
70°	10634	4168	3448
75°	8058	3539	2863
80°	5612	3127	2459
85°	3404	2848	2225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	4.1
10°-20°	491.6	11.4
20°-30°	711.9	16.5
30°-40°	774.8	18.0
40°-50°	688.1	16.0
50°-60°	523.7	12.2
60°-70°	347.7	8.1
70°-80°	211.9	4.9
80°-90°	131.3	3.1
90°-100°	89.7	2.1
100°-110°	62.9	1.5
110°-120°	42.9	1.0
120°-130°	27.2	0.6
130°-140°	15.5	0.4
140°-150°	7.3	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1378.6	32.0
0°-40°	2153.3	50.1
0°-60°	3365.2	78.2
0°-90°	4056.1	94.3
90°-120°	195.5	4.5
90°-150°	245.4	5.7
90°-180°	246.0	5.7
0°-180°	4302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1863	1863	1863	1863	1863	
5°	1872	1861	1836	1845	1834	178
15°	1825	1793	1727	1707	1684	516
25°	1720	1643	1525	1464	1426	792
35°	1521	1385	1199	1095	1049	947
45°	1194	1015	825	755	737	920
55°	773	628	533	524	521	693
65°	390	335	335	349	344	393
75°	150	170	213	224	218	162
85°	27	86	145	154	150	32
90°	0	64	122	134	129	2
95°	0	50	104	116	113	0
105°	0	32	75	86	86	0
115°	0	20	54	66	64	0
125°	0	14	36	45	45	0
135°	0	9	25	32	32	0
145°	0	4	14	18	18	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218203

CATALOG NUMBER: 4SNLED-LD5-46SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1863.1	1863.1	1863.1	1863.1	1863.1
2.5°	1874.4	1865.4	1847.2	1858.6	1851.8
5°	1872.2	1860.8	1835.9	1845.0	1833.6
7.5°	1865.4	1851.8	1817.8	1822.3	1804.2
10°	1854.0	1835.9	1792.8	1788.3	1770.2
12.5°	1840.4	1817.8	1765.6	1749.8	1731.6
15°	1824.6	1792.8	1727.1	1706.7	1684.0
17.5°	1806.4	1763.4	1688.6	1656.8	1631.9
20°	1781.5	1729.4	1638.7	1600.2	1573.0
22.5°	1756.6	1688.6	1586.6	1534.4	1505.0
25°	1720.3	1643.2	1525.4	1464.2	1425.7
27.5°	1679.5	1591.1	1457.4	1378.1	1335.0
30°	1631.9	1529.9	1382.6	1289.7	1251.1
32.5°	1579.8	1461.9	1291.9	1192.2	1149.1
35°	1520.8	1384.9	1199.0	1094.7	1049.4
37.5°	1448.3	1301.0	1106.1	999.5	963.3
40°	1375.8	1212.6	1013.1	913.4	874.9
42.5°	1294.2	1115.1	917.9	827.3	800.1
45°	1194.5	1015.4	825.0	754.8	736.6
47.5°	1097.0	913.4	741.2	691.3	675.4
50°	997.3	813.7	661.8	630.1	618.8
52.5°	881.7	716.2	596.1	575.7	571.2
55°	772.9	627.8	532.6	523.6	521.3
57.5°	668.6	544.0	473.7	480.5	476.0
60°	571.2	466.9	421.6	430.6	428.4
62.5°	476.0	396.6	374.0	392.1	387.6
65°	389.8	335.4	335.4	349.0	344.5
67.5°	315.0	285.6	299.2	312.8	308.2
70°	251.6	240.3	267.5	278.8	274.3
72.5°	194.9	201.7	235.7	249.3	242.5
75°	149.6	170.0	213.1	224.4	217.6
77.5°	106.5	142.8	192.7	201.7	194.9
80°	74.8	120.1	174.5	183.6	176.8
82.5°	47.6	102.0	158.7	167.7	163.2
85°	27.2	86.1	145.1	154.1	149.6
87.5°	13.6	74.8	131.5	142.8	138.3
90°	0.0	63.5	122.4	133.7	129.2
92.5°	0.0	56.7	113.3	124.7	120.1
95°	0.0	49.9	104.3	115.6	113.3
97.5°	0.0	45.3	97.5	108.8	104.3
100°	0.0	38.5	88.4	99.7	97.5
102.5°	0.0	36.3	81.6	92.9	90.7
105°	0.0	31.7	74.8	86.1	86.1
107.5°	0.0	29.5	70.3	81.6	79.3
110°	0.0	24.9	63.5	74.8	74.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.7	58.9	70.3	68.0
115°	0.0	20.4	54.4	65.7	63.5
117.5°	0.0	20.4	49.9	58.9	58.9
120°	0.0	18.1	45.3	54.4	54.4
122.5°	0.0	15.9	40.8	49.9	49.9
125°	0.0	13.6	36.3	45.3	45.3
127.5°	0.0	13.6	34.0	43.1	43.1
130°	0.0	11.3	29.5	38.5	38.5
132.5°	0.0	9.1	27.2	34.0	34.0
135°	0.0	9.1	24.9	31.7	31.7
137.5°	0.0	6.8	20.4	27.2	27.2
140°	0.0	6.8	18.1	24.9	24.9
142.5°	0.0	4.5	15.9	22.7	20.4
145°	0.0	4.5	13.6	18.1	18.1
147.5°	0.0	2.3	11.3	15.9	15.9
150°	0.0	2.3	9.1	13.6	11.3
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)