

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: P218389

Luminaire Tested: **8TSNLED-LD5-95SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-95SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10114.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

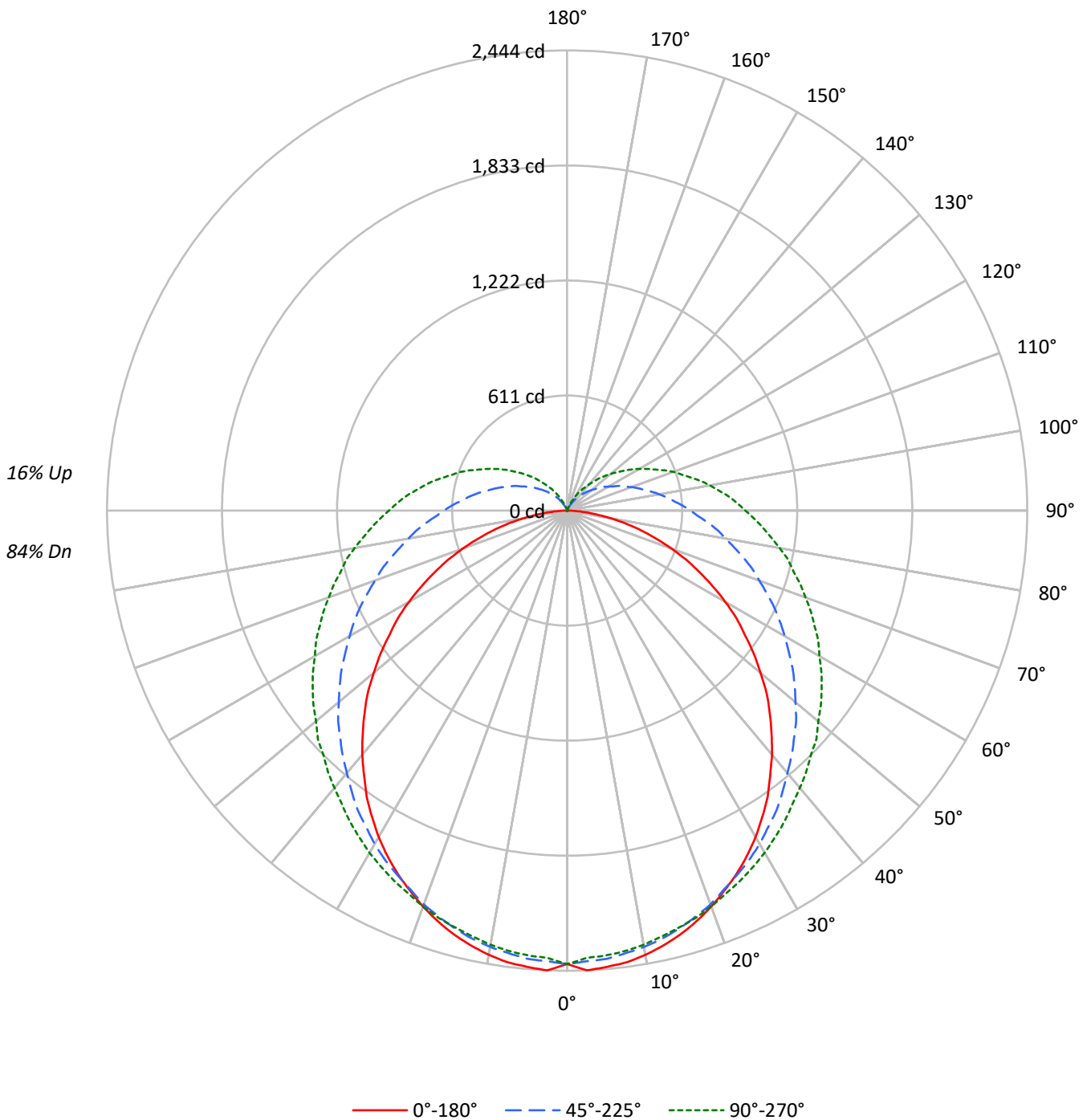
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19402	19402	19402
5°	19636	18180	17638
10°	19529	17080	16283
15°	19320	16067	15083
20°	19045	15115	14069
25°	18744	14200	13165
30°	18400	13423	12378
35°	17993	12681	11650
40°	17492	11919	10996
45°	16993	11279	10436
50°	16394	10667	9955
55°	15720	10110	9545
60°	15093	9555	9122
65°	14167	9076	8789
70°	13109	8574	8465
75°	11737	8178	8180
80°	9563	7790	7973
85°	6792	7515	7759



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	2.3
10°-20°	652.1	6.4
20°-30°	991.2	9.8
30°-40°	1213.1	12.0
40°-50°	1309.7	12.9
50°-60°	1285.8	12.7
60°-70°	1158.1	11.5
70°-80°	959.0	9.5
80°-90°	737.5	7.3
90°-100°	556.0	5.5
100°-110°	409.1	4.0
110°-120°	282.3	2.8
120°-130°	179.0	1.8
130°-140°	99.1	1.0
140°-150°	42.9	0.4
150°-160°	10.7	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1871.4	18.5
0°-40°	3084.5	30.5
0°-60°	5680.1	56.2
0°-90°	8534.7	84.4
90°-120°	1247.3	12.3
90°-150°	1568.3	15.5
90°-180°	1579.0	15.6
0°-180°	10114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2432	2420	2390	2390	2372	231
15°	2329	2323	2299	2311	2293	657
25°	2129	2129	2135	2178	2172	981
35°	1856	1874	1941	2002	2014	1159
45°	1522	1589	1704	1808	1832	1174
55°	1152	1280	1462	1607	1650	1034
65°	776	952	1213	1395	1450	771
75°	406	649	970	1177	1244	431
85°	91	400	752	977	1043	104
90°	0	309	655	880	946	5
95°	6	243	570	788	861	2
105°	0	152	425	619	679	0
115°	0	97	309	467	516	0
125°	0	61	212	334	370	0
135°	0	36	133	218	243	0
145°	0	12	67	121	133	0
155°	0	6	18	36	42	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2408.1	2408.1	2408.1	2408.1	2408.1
2.5°	2444.5	2426.3	2395.9	2395.9	2377.7
5°	2432.3	2420.2	2389.9	2389.9	2371.7
7.5°	2420.2	2408.1	2371.7	2377.7	2359.5
10°	2395.9	2383.8	2353.5	2359.5	2341.3
12.5°	2365.6	2353.5	2329.2	2335.3	2317.1
15°	2329.2	2323.1	2298.9	2311.0	2292.8
17.5°	2286.8	2280.7	2262.5	2280.7	2268.6
20°	2238.2	2238.2	2226.1	2250.4	2238.2
22.5°	2183.6	2183.6	2177.6	2214.0	2201.8
25°	2129.0	2129.0	2135.1	2177.6	2171.5
27.5°	2068.4	2074.5	2092.7	2141.2	2135.1
30°	2001.7	2013.8	2044.1	2098.7	2098.7
32.5°	1928.9	1941.0	1989.5	2056.3	2056.3
35°	1856.1	1874.3	1941.0	2001.7	2013.8
37.5°	1771.2	1801.5	1880.4	1953.1	1965.3
40°	1692.3	1734.8	1819.7	1904.6	1922.8
42.5°	1607.4	1662.0	1765.1	1862.2	1880.4
45°	1522.5	1589.2	1704.5	1807.6	1831.8
47.5°	1437.6	1510.3	1649.9	1759.0	1795.4
50°	1340.5	1431.5	1583.1	1710.5	1740.8
52.5°	1249.5	1352.6	1522.5	1655.9	1698.4
55°	1152.5	1279.9	1461.8	1607.4	1649.9
57.5°	1067.6	1194.9	1395.1	1558.9	1601.3
60°	970.5	1110.0	1334.4	1498.2	1546.7
62.5°	873.5	1037.2	1273.8	1449.7	1504.3
65°	776.4	952.3	1213.1	1395.1	1449.7
67.5°	685.4	873.5	1146.4	1340.5	1401.2
70°	588.4	794.6	1085.8	1285.9	1346.6
72.5°	497.4	721.8	1031.2	1231.3	1298.1
75°	406.4	649.0	970.5	1176.7	1243.5
77.5°	321.5	582.3	909.8	1128.2	1201.0
80°	230.5	515.6	855.3	1073.6	1146.4
82.5°	157.7	454.9	806.7	1025.1	1091.8
85°	91.0	400.3	752.1	976.6	1043.3
87.5°	36.4	351.8	697.6	922.0	994.8
90°	0.0	309.3	655.1	879.5	946.2
92.5°	0.0	273.0	612.6	831.0	903.8
95°	6.1	242.6	570.2	788.5	861.3
97.5°	0.0	212.3	533.8	746.1	812.8
100°	0.0	194.1	497.4	703.6	770.3
102.5°	0.0	169.8	461.0	661.2	727.9
105°	0.0	151.6	424.6	618.7	679.4
107.5°	0.0	139.5	394.3	582.3	636.9
110°	0.0	121.3	363.9	545.9	600.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	109.2	333.6	503.4	558.0
115°	0.0	97.1	309.3	467.1	515.6
117.5°	0.0	91.0	279.0	430.7	479.2
120°	0.0	78.9	254.8	400.3	442.8
122.5°	0.0	72.8	236.6	363.9	406.4
125°	0.0	60.7	212.3	333.6	370.0
127.5°	0.0	54.6	188.0	303.3	333.6
130°	0.0	48.5	169.8	273.0	303.3
132.5°	0.0	42.5	151.6	242.6	273.0
135°	0.0	36.4	133.4	218.4	242.6
137.5°	0.0	30.3	115.2	188.0	212.3
140°	0.0	24.3	97.1	163.8	182.0
142.5°	0.0	18.2	84.9	139.5	157.7
145°	0.0	12.1	66.7	121.3	133.4
147.5°	0.0	12.1	54.6	97.1	109.2
150°	0.0	6.1	36.4	78.9	84.9
152.5°	0.0	6.1	30.3	60.7	60.7
155°	0.0	6.1	18.2	36.4	42.5
157.5°	0.0	0.0	12.1	24.3	24.3
160°	0.0	0.0	6.1	12.1	18.2
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)