

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: P218388

Luminaire Tested: **8TSNLED-LD5-95SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218388
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9916.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

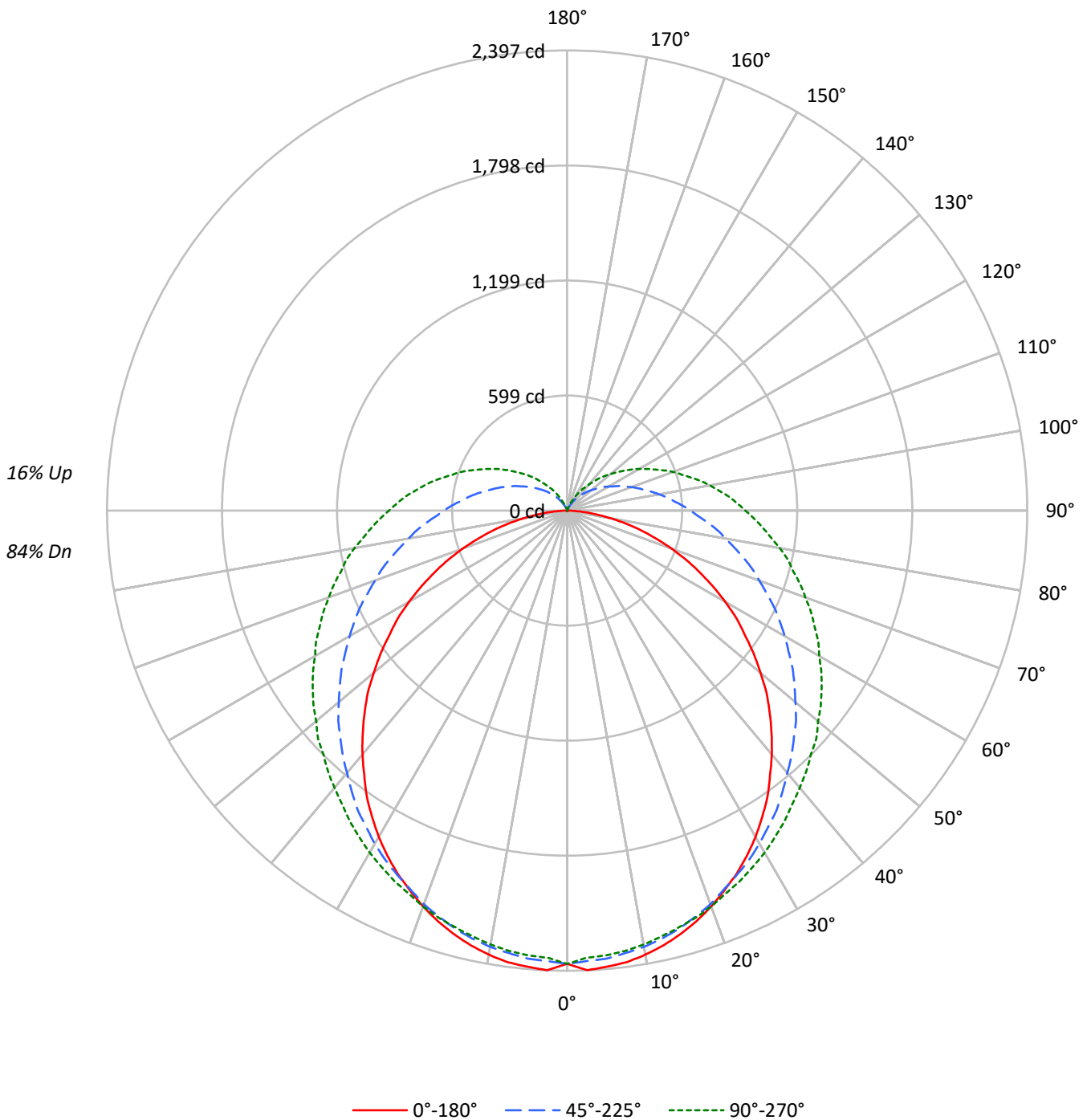
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	65
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°	19021	19021	19021
5°	19251	17824	17292
10°	19147	16746	15965
15°	18942	15753	14788
20°	18673	14819	13794
25°	18378	13922	12907
30°	18040	13160	12136
35°	17641	12433	11422
40°	17150	11686	10781
45°	16660	11058	10232
50°	16074	10458	9761
55°	15412	9913	9358
60°	14797	9368	8944
65°	13890	8899	8617
70°	12853	8405	8299
75°	11506	8018	8020
80°	9376	7637	7817
85°	6657	7369	7607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.6	2.3
10°-20°	639.4	6.4
20°-30°	971.8	9.8
30°-40°	1189.4	12.0
40°-50°	1284.1	12.9
50°-60°	1260.7	12.7
60°-70°	1135.4	11.5
70°-80°	940.2	9.5
80°-90°	723.1	7.3
90°-100°	545.1	5.5
100°-110°	401.1	4.0
110°-120°	276.7	2.8
120°-130°	175.5	1.8
130°-140°	97.1	1.0
140°-150°	42.1	0.4
150°-160°	10.5	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1834.8	18.5
0°-40°	3024.1	30.5
0°-60°	5568.9	56.2
0°-90°	8367.6	84.4
90°-120°	1222.9	12.3
90°-150°	1537.6	15.5
90°-180°	1548.0	15.6
0°-180°	9916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2361	2361	2361	2361	2361	
5°	2385	2373	2343	2343	2325	227
15°	2284	2278	2254	2266	2248	644
25°	2087	2087	2093	2135	2129	961
35°	1820	1838	1903	1962	1974	1136
45°	1493	1558	1671	1772	1796	1151
55°	1130	1255	1433	1576	1618	1014
65°	761	934	1189	1368	1421	755
75°	398	636	952	1154	1219	423
85°	89	392	737	958	1023	102
90°	0	303	642	862	928	5
95°	6	238	559	773	844	2
105°	0	149	416	607	666	0
115°	0	95	303	458	506	0
125°	0	60	208	327	363	0
135°	0	36	131	214	238	0
145°	0	12	65	119	131	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°	2360.9	2360.9	2360.9	2360.9	2360.9
2.5°	2396.6	2378.8	2349.0	2349.0	2331.2
5°	2384.7	2372.8	2343.1	2343.1	2325.2
7.5°	2372.8	2360.9	2325.2	2331.2	2313.4
10°	2349.0	2337.1	2307.4	2313.4	2295.5
12.5°	2319.3	2307.4	2283.6	2289.6	2271.7
15°	2283.6	2277.7	2253.9	2265.8	2247.9
17.5°	2242.0	2236.0	2218.2	2236.0	2224.1
20°	2194.4	2194.4	2182.5	2206.3	2194.4
22.5°	2140.9	2140.9	2134.9	2170.6	2158.7
25°	2087.4	2087.4	2093.3	2134.9	2129.0
27.5°	2027.9	2033.8	2051.7	2099.3	2093.3
30°	1962.5	1974.4	2004.1	2057.6	2057.6
32.5°	1891.1	1903.0	1950.6	2016.0	2016.0
35°	1819.8	1837.6	1903.0	1962.5	1974.4
37.5°	1736.5	1766.2	1843.5	1914.9	1926.8
40°	1659.2	1700.8	1784.1	1867.3	1885.2
42.5°	1575.9	1629.5	1730.6	1825.7	1843.5
45°	1492.7	1558.1	1671.1	1772.2	1796.0
47.5°	1409.4	1480.8	1617.6	1724.6	1760.3
50°	1314.3	1403.5	1552.1	1677.0	1706.8
52.5°	1225.1	1326.2	1492.7	1623.5	1665.1
55°	1129.9	1254.8	1433.2	1575.9	1617.6
57.5°	1046.7	1171.5	1367.8	1528.4	1570.0
60°	951.5	1088.3	1308.3	1468.9	1516.5
62.5°	856.4	1016.9	1248.9	1421.3	1474.8
65°	761.2	933.7	1189.4	1367.8	1421.3
67.5°	672.0	856.4	1124.0	1314.3	1373.7
70°	576.9	779.0	1064.5	1260.7	1320.2
72.5°	487.6	707.7	1011.0	1207.2	1272.6
75°	398.4	636.3	951.5	1153.7	1219.1
77.5°	315.2	570.9	892.0	1106.1	1177.5
80°	226.0	505.5	838.5	1052.6	1124.0
82.5°	154.6	446.0	790.9	1005.0	1070.4
85°	89.2	392.5	737.4	957.5	1022.9
87.5°	35.7	344.9	683.9	903.9	975.3
90°	0.0	303.3	642.3	862.3	927.7
92.5°	0.0	267.6	600.6	814.7	886.1
95°	5.9	237.9	559.0	773.1	844.5
97.5°	0.0	208.1	523.3	731.5	796.9
100°	0.0	190.3	487.6	689.8	755.3
102.5°	0.0	166.5	452.0	648.2	713.6
105°	0.0	148.7	416.3	606.6	666.1
107.5°	0.0	136.8	386.5	570.9	624.4
110°	0.0	118.9	356.8	535.2	588.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	107.0	327.1	493.6	547.1
115°	0.0	95.2	303.3	457.9	505.5
117.5°	0.0	89.2	273.6	422.2	469.8
120°	0.0	77.3	249.8	392.5	434.1
122.5°	0.0	71.4	231.9	356.8	398.4
125°	0.0	59.5	208.1	327.1	362.8
127.5°	0.0	53.5	184.4	297.3	327.1
130°	0.0	47.6	166.5	267.6	297.3
132.5°	0.0	41.6	148.7	237.9	267.6
135°	0.0	35.7	130.8	214.1	237.9
137.5°	0.0	29.7	113.0	184.4	208.1
140°	0.0	23.8	95.2	160.6	178.4
142.5°	0.0	17.8	83.3	136.8	154.6
145°	0.0	11.9	65.4	118.9	130.8
147.5°	0.0	11.9	53.5	95.2	107.0
150°	0.0	5.9	35.7	77.3	83.3
152.5°	0.0	5.9	29.7	59.5	59.5
155°	0.0	5.9	17.8	35.7	41.6
157.5°	0.0	0.0	11.9	23.8	23.8
160°	0.0	0.0	5.9	11.9	17.8
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)