

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: P218387

Luminaire Tested: **8TSNLED-LD5-95SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218387
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9334.0 lumens
Efficiency: N/A
Efficacy: 109.0 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

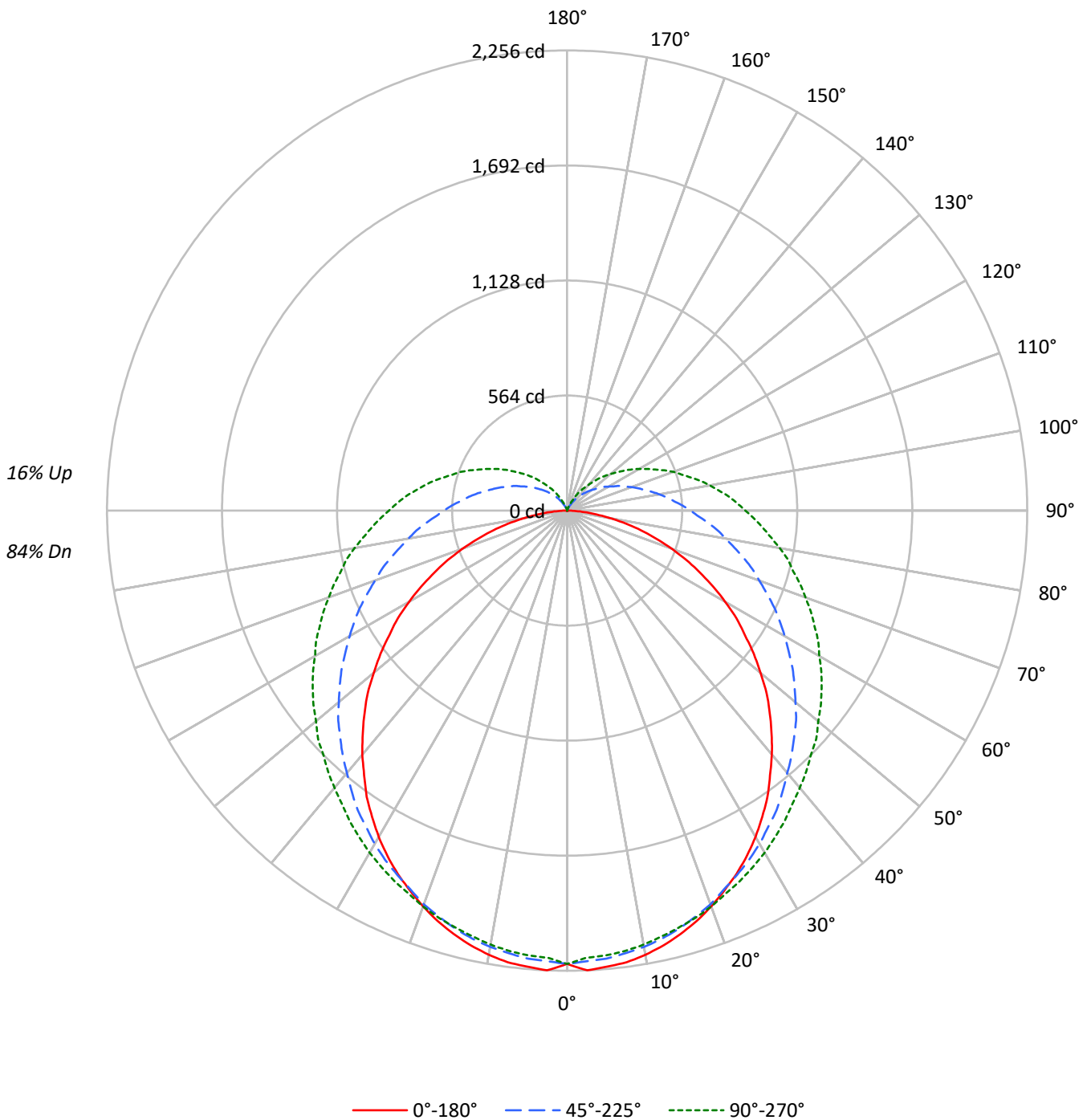
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	17905	17905	17905
5°	18121	16778	16278
10°	18024	15763	15028
15°	17830	14828	13920
20°	17577	13949	12984
25°	17299	13106	12150
30°	16981	12388	11424
35°	16605	11703	10751
40°	16143	11000	10148
45°	15682	10409	9631
50°	15130	9844	9188
55°	14508	9331	8808
60°	13929	8818	8419
65°	13074	8377	8111
70°	12097	7912	7812
75°	10833	7548	7549
80°	8824	7189	7358
85°	6269	6936	7160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	2.3
10°-20°	601.9	6.4
20°-30°	914.8	9.8
30°-40°	1119.6	12.0
40°-50°	1208.7	12.9
50°-60°	1186.7	12.7
60°-70°	1068.8	11.5
70°-80°	885.0	9.5
80°-90°	680.7	7.3
90°-100°	513.1	5.5
100°-110°	377.6	4.0
110°-120°	260.5	2.8
120°-130°	165.2	1.8
130°-140°	91.4	1.0
140°-150°	39.6	0.4
150°-160°	9.9	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	1727.1	18.5
0°-40°	2846.6	30.5
0°-60°	5242.1	56.2
0°-90°	7876.5	84.4
90°-120°	1151.2	12.3
90°-150°	1447.4	15.5
90°-180°	1458.0	15.6
0°-180°	9334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2222	2222	2222	2222	2222	
5°	2245	2234	2206	2206	2189	213
15°	2150	2144	2122	2133	2116	606
25°	1965	1965	1970	2010	2004	905
35°	1713	1730	1791	1847	1858	1069
45°	1405	1467	1573	1668	1691	1084
55°	1064	1181	1349	1483	1523	954
65°	716	879	1120	1288	1338	711
75°	375	599	896	1086	1148	398
85°	84	370	694	901	963	96
90°	0	286	605	812	873	5
95°	6	224	526	728	795	2
105°	0	140	392	571	627	0
115°	0	90	286	431	476	0
125°	0	56	196	308	342	0
135°	0	34	123	202	224	0
145°	0	11	62	112	123	0
155°	0	6	17	34	39	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°	2222.4	2222.4	2222.4	2222.4	2222.4
2.5°	2255.9	2239.1	2211.2	2211.2	2194.4
5°	2244.7	2233.6	2205.6	2205.6	2188.8
7.5°	2233.6	2222.4	2188.8	2194.4	2177.6
10°	2211.2	2200.0	2172.0	2177.6	2160.8
12.5°	2183.2	2172.0	2149.6	2155.2	2138.4
15°	2149.6	2144.0	2121.6	2132.8	2116.0
17.5°	2110.4	2104.8	2088.0	2104.8	2093.6
20°	2065.6	2065.6	2054.4	2076.8	2065.6
22.5°	2015.2	2015.2	2009.6	2043.2	2032.0
25°	1964.9	1964.9	1970.5	2009.6	2004.0
27.5°	1908.9	1914.5	1931.3	1976.0	1970.5
30°	1847.3	1858.5	1886.5	1936.9	1936.9
32.5°	1780.1	1791.3	1836.1	1897.7	1897.7
35°	1712.9	1729.7	1791.3	1847.3	1858.5
37.5°	1634.6	1662.6	1735.3	1802.5	1813.7
40°	1561.8	1601.0	1679.4	1757.7	1774.5
42.5°	1483.4	1533.8	1629.0	1718.5	1735.3
45°	1405.1	1466.6	1573.0	1668.2	1690.6
47.5°	1326.7	1393.9	1522.6	1623.4	1657.0
50°	1237.1	1321.1	1461.0	1578.6	1606.6
52.5°	1153.2	1248.3	1405.1	1528.2	1567.4
55°	1063.6	1181.2	1349.1	1483.4	1522.6
57.5°	985.2	1102.8	1287.5	1438.7	1477.8
60°	895.7	1024.4	1231.5	1382.7	1427.5
62.5°	806.1	957.2	1175.6	1337.9	1388.3
65°	716.5	878.9	1119.6	1287.5	1337.9
67.5°	632.6	806.1	1058.0	1237.1	1293.1
70°	543.0	733.3	1002.0	1186.7	1242.7
72.5°	459.0	666.1	951.6	1136.4	1197.9
75°	375.1	599.0	895.7	1086.0	1147.6
77.5°	296.7	537.4	839.7	1041.2	1108.4
80°	212.7	475.8	789.3	990.8	1058.0
82.5°	145.5	419.8	744.5	946.0	1007.6
85°	84.0	369.5	694.1	901.3	962.8
87.5°	33.6	324.7	643.8	850.9	918.1
90°	0.0	285.5	604.6	811.7	873.3
92.5°	0.0	251.9	565.4	766.9	834.1
95°	5.6	223.9	526.2	727.7	794.9
97.5°	0.0	195.9	492.6	688.5	750.1
100°	0.0	179.1	459.0	649.4	710.9
102.5°	0.0	156.7	425.4	610.2	671.7
105°	0.0	139.9	391.9	571.0	627.0
107.5°	0.0	128.8	363.9	537.4	587.8
110°	0.0	112.0	335.9	503.8	554.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	100.8	307.9	464.6	515.0
115°	0.0	89.6	285.5	431.0	475.8
117.5°	0.0	84.0	257.5	397.4	442.2
120°	0.0	72.8	235.1	369.5	408.6
122.5°	0.0	67.2	218.3	335.9	375.1
125°	0.0	56.0	195.9	307.9	341.5
127.5°	0.0	50.4	173.5	279.9	307.9
130°	0.0	44.8	156.7	251.9	279.9
132.5°	0.0	39.2	139.9	223.9	251.9
135°	0.0	33.6	123.2	201.5	223.9
137.5°	0.0	28.0	106.4	173.5	195.9
140°	0.0	22.4	89.6	151.1	167.9
142.5°	0.0	16.8	78.4	128.8	145.5
145°	0.0	11.2	61.6	112.0	123.2
147.5°	0.0	11.2	50.4	89.6	100.8
150°	0.0	5.6	33.6	72.8	78.4
152.5°	0.0	5.6	28.0	56.0	56.0
155°	0.0	5.6	16.8	33.6	39.2
157.5°	0.0	0.0	11.2	22.4	22.4
160°	0.0	0.0	5.6	11.2	16.8
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)