

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: P218390

Luminaire Tested: **8TSNLED-LD5-95SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218390
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10940.0 lumens
Efficiency: N/A
Efficacy: 127.7 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

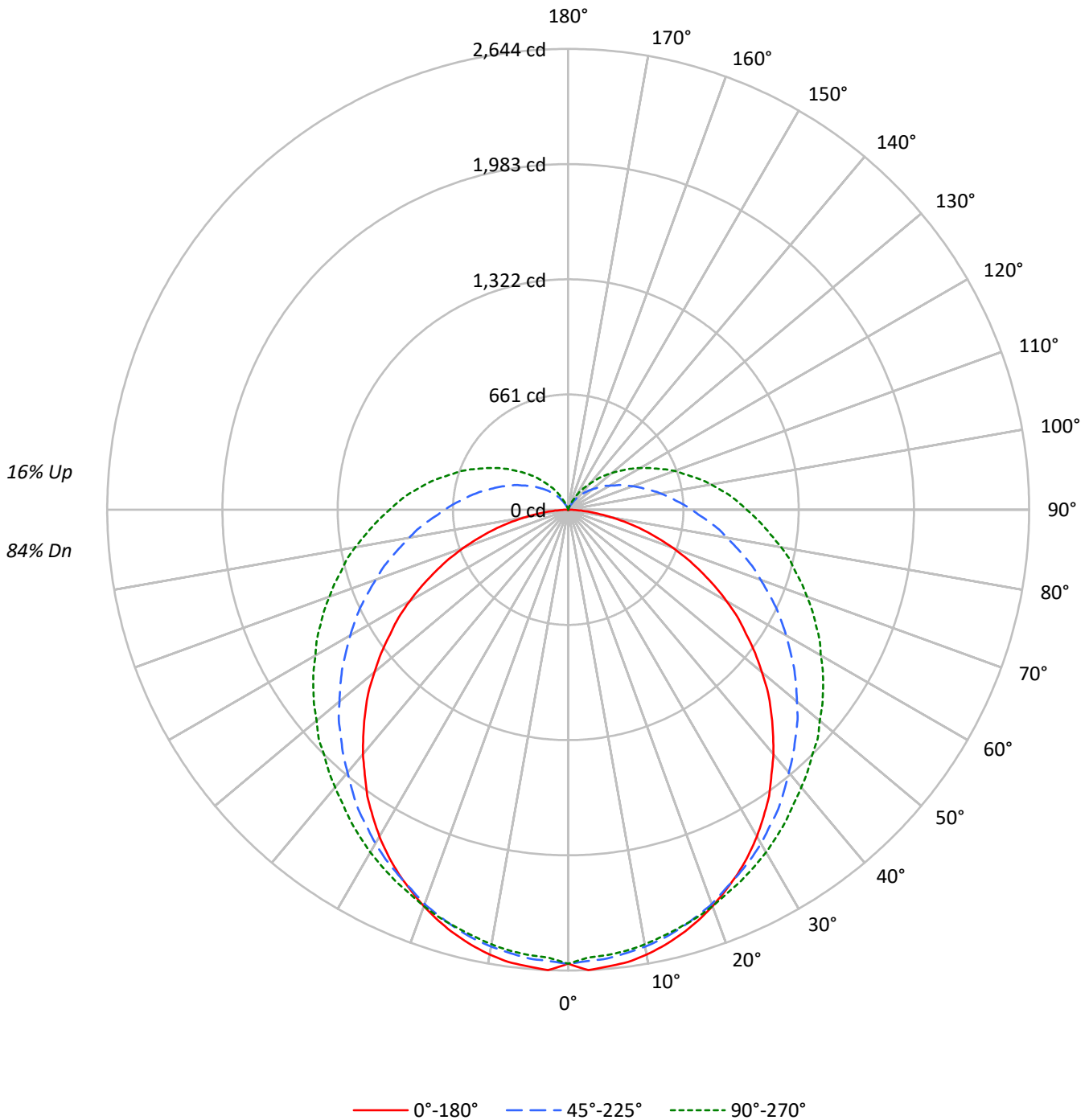
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218390

CATALOG NUMBER: 8TSNLED-LD5-95SL-LW-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218390

CATALOG NUMBER: 8TSNLED-LD5-95SL-LW-UNV-L850-CD1-U

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°	20986	20986	20986
5°	21240	19665	19079
10°	21124	18475	17614
15°	20898	17379	16315
20°	20601	16349	15218
25°	20275	15360	14241
30°	19903	14519	13389
35°	19462	13717	12601
40°	18921	12892	11894
45°	18380	12200	11288
50°	17733	11538	10768
55°	17004	10936	10324
60°	16326	10336	9868
65°	15324	9818	9507
70°	14178	9273	9156
75°	12695	8847	8848
80°	10342	8426	8624
85°	7344	8130	8393



TEST NUMBER: P218390

CATALOG NUMBER: 8TSNLED-LD5-95SL-LW-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.7	2.3
10°-20°	705.4	6.4
20°-30°	1072.2	9.8
30°-40°	1312.2	12.0
40°-50°	1416.7	12.9
50°-60°	1390.9	12.7
60°-70°	1252.6	11.5
70°-80°	1037.3	9.5
80°-90°	797.8	7.3
90°-100°	601.4	5.5
100°-110°	442.5	4.0
110°-120°	305.3	2.8
120°-130°	193.6	1.8
130°-140°	107.1	1.0
140°-150°	46.4	0.4
150°-160°	11.6	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	2024.2	18.5
0°-40°	3336.4	30.5
0°-60°	6144.0	56.2
0°-90°	9231.7	84.4
90°-120°	1349.2	12.3
90°-150°	1696.4	15.5
90°-180°	1708.0	15.6
0°-180°	10940.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2605	2605	2605	2605	2605	
5°	2631	2618	2585	2585	2565	250
15°	2519	2513	2487	2500	2480	710
25°	2303	2303	2310	2355	2349	1061
35°	2008	2027	2100	2165	2178	1253
45°	1647	1719	1844	1955	1981	1270
55°	1247	1384	1581	1739	1785	1119
65°	840	1030	1312	1509	1568	833
75°	440	702	1050	1273	1345	466
85°	98	433	814	1056	1128	112
90°	0	335	709	951	1024	5
95°	7	262	617	853	932	2
105°	0	164	459	669	735	0
115°	0	105	335	505	558	0
125°	0	66	230	361	400	0
135°	0	39	144	236	262	0
145°	0	13	72	131	144	0
155°	0	7	20	39	46	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218390

CATALOG NUMBER: 8TSNLED-LD5-95SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2604.7	2604.7	2604.7	2604.7	2604.7
2.5°	2644.1	2624.4	2591.6	2591.6	2571.9
5°	2631.0	2617.9	2585.0	2585.0	2565.4
7.5°	2617.9	2604.7	2565.4	2571.9	2552.2
10°	2591.6	2578.5	2545.7	2552.2	2532.6
12.5°	2558.8	2545.7	2519.4	2526.0	2506.3
15°	2519.4	2512.9	2486.6	2499.8	2480.1
17.5°	2473.5	2467.0	2447.3	2467.0	2453.8
20°	2421.0	2421.0	2407.9	2434.1	2421.0
22.5°	2362.0	2362.0	2355.4	2394.8	2381.7
25°	2302.9	2302.9	2309.5	2355.4	2348.9
27.5°	2237.3	2243.9	2263.6	2316.0	2309.5
30°	2165.1	2178.3	2211.1	2270.1	2270.1
32.5°	2086.4	2099.5	2152.0	2224.2	2224.2
35°	2007.7	2027.4	2099.5	2165.1	2178.3
37.5°	1915.8	1948.6	2033.9	2112.7	2125.8
40°	1830.5	1876.5	1968.3	2060.2	2079.8
42.5°	1738.7	1797.7	1909.3	2014.2	2033.9
45°	1646.8	1719.0	1843.7	1955.2	1981.4
47.5°	1555.0	1633.7	1784.6	1902.7	1942.1
50°	1450.0	1548.4	1712.4	1850.2	1883.0
52.5°	1351.6	1463.1	1646.8	1791.2	1837.1
55°	1246.6	1384.4	1581.2	1738.7	1784.6
57.5°	1154.7	1292.5	1509.0	1686.2	1732.1
60°	1049.8	1200.7	1443.4	1620.6	1673.1
62.5°	944.8	1121.9	1377.8	1568.1	1627.1
65°	839.8	1030.1	1312.2	1509.0	1568.1
67.5°	741.4	944.8	1240.0	1450.0	1515.6
70°	636.4	859.5	1174.4	1390.9	1456.6
72.5°	538.0	780.8	1115.4	1331.9	1404.1
75°	439.6	702.0	1049.8	1272.8	1345.0
77.5°	347.7	629.9	984.2	1220.4	1299.1
80°	249.3	557.7	925.1	1161.3	1240.0
82.5°	170.6	492.1	872.6	1108.8	1181.0
85°	98.4	433.0	813.6	1056.3	1128.5
87.5°	39.4	380.5	754.5	997.3	1076.0
90°	0.0	334.6	708.6	951.4	1023.5
92.5°	0.0	295.2	662.7	898.9	977.6
95°	6.6	262.4	616.7	852.9	931.7
97.5°	0.0	229.6	577.4	807.0	879.2
100°	0.0	210.0	538.0	761.1	833.3
102.5°	0.0	183.7	498.6	715.2	787.3
105°	0.0	164.0	459.3	669.2	734.8
107.5°	0.0	150.9	426.5	629.9	688.9
110°	0.0	131.2	393.7	590.5	649.5



TEST NUMBER: P218390

CATALOG NUMBER: 8TSNLED-LD5-95SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	118.1	360.9	544.6	603.6
115°	0.0	105.0	334.6	505.2	557.7
117.5°	0.0	98.4	301.8	465.8	518.3
120°	0.0	85.3	275.6	433.0	479.0
122.5°	0.0	78.7	255.9	393.7	439.6
125°	0.0	65.6	229.6	360.9	400.2
127.5°	0.0	59.0	203.4	328.1	360.9
130°	0.0	52.5	183.7	295.2	328.1
132.5°	0.0	45.9	164.0	262.4	295.2
135°	0.0	39.4	144.3	236.2	262.4
137.5°	0.0	32.8	124.7	203.4	229.6
140°	0.0	26.2	105.0	177.1	196.8
142.5°	0.0	19.7	91.9	150.9	170.6
145°	0.0	13.1	72.2	131.2	144.3
147.5°	0.0	13.1	59.0	105.0	118.1
150°	0.0	6.6	39.4	85.3	91.9
152.5°	0.0	6.6	32.8	65.6	65.6
155°	0.0	6.6	19.7	39.4	45.9
157.5°	0.0	0.0	13.1	26.2	26.2
160°	0.0	0.0	6.6	13.1	19.7
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)