

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: P218252

Luminaire Tested: **8TSNLED-LD5-75SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218252  
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: 8TSNLED-LD5-75SL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7600.0 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

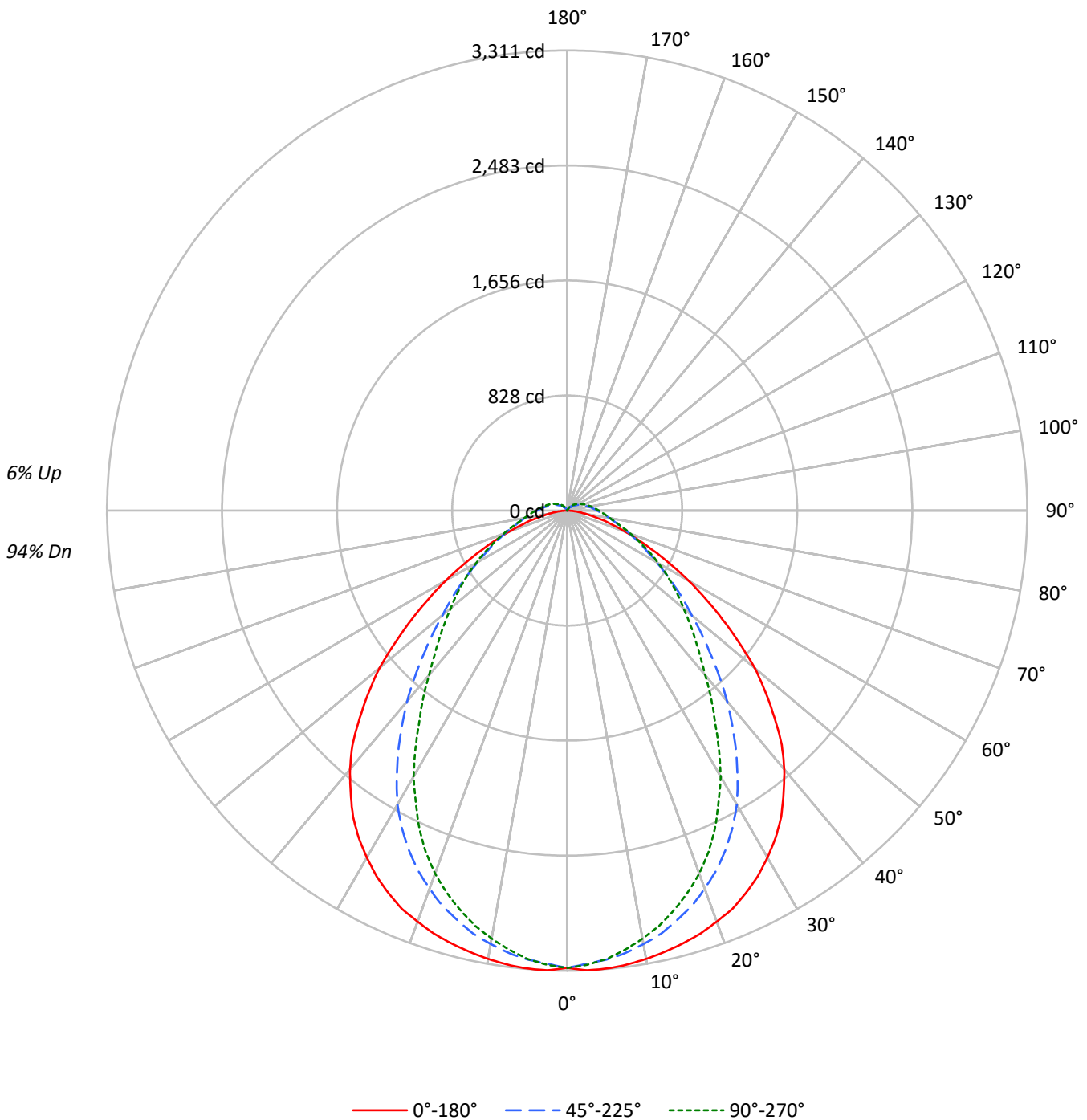
Input Watts (W): 55.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218252

CATALOG NUMBER: 8TSNLED-LD5-75SL-LN-UNV-L835-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218252

CATALOG NUMBER: 8TSNLED-LD5-75SL-LN-UNV-L835-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	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°	26518	26518	26518
5°	26700	24672	24091
10°	26698	22986	21749
15°	26736	21325	19571
20°	26780	19657	17467
25°	26756	17923	15269
30°	26502	16039	13036
35°	26045	13839	10725
40°	25123	11723	8839
45°	23552	9645	7414
50°	21547	7878	6251
55°	18624	6508	5327
60°	15691	5333	4464
65°	12567	4434	3690
70°	9903	3731	3046
75°	7633	3172	2529
80°	5480	2808	2172
85°	3582	2561	1966



TEST NUMBER: P218252

CATALOG NUMBER: 8TSNLED-LD5-75SL-LN-UNV-L835-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.4	4.1
10°-20°	868.4	11.4
20°-30°	1257.6	16.5
30°-40°	1368.7	18.0
40°-50°	1215.6	16.0
50°-60°	925.3	12.2
60°-70°	614.3	8.1
70°-80°	374.3	4.9
80°-90°	232.0	3.1
90°-100°	158.4	2.1
100°-110°	111.2	1.5
110°-120°	75.7	1.0
120°-130°	48.0	0.6
130°-140°	27.3	0.4
140°-150°	12.8	0.2
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2435.4	32.0
0°-40°	3804.1	50.1
0°-60°	5945.0	78.2
0°-90°	7165.6	94.3
90°-120°	345.3	4.5
90°-150°	433.5	5.7
90°-180°	434.0	5.7
0°-180°	7600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3291	3291	3291	3291	3291	
5°	3307	3287	3243	3259	3239	315
15°	3223	3167	3051	3015	2975	911
25°	3039	2903	2695	2587	2519	1399
35°	2687	2446	2118	1934	1854	1674
45°	2110	1794	1458	1333	1301	1625
55°	1365	1109	941	925	921	1225
65°	689	593	593	617	609	694
75°	264	300	376	396	384	286
85°	48	152	256	272	264	57
90°	0	112	216	236	228	3
95°	0	88	184	204	200	0
105°	0	56	132	152	152	0
115°	0	36	96	116	112	0
125°	0	24	64	80	80	0
135°	0	16	44	56	56	0
145°	0	8	24	32	32	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: P218252

CATALOG NUMBER: 8TSNLED-LD5-75SL-LN-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3291.4	3291.4	3291.4	3291.4	3291.4
2.5°	3311.4	3295.4	3263.3	3283.4	3271.4
5°	3307.4	3287.4	3243.3	3259.3	3239.3
7.5°	3295.4	3271.4	3211.3	3219.3	3187.3
10°	3275.4	3243.3	3167.2	3159.2	3127.2
12.5°	3251.3	3211.3	3119.2	3091.2	3059.1
15°	3223.3	3167.2	3051.1	3015.1	2975.1
17.5°	3191.3	3115.2	2983.1	2927.0	2883.0
20°	3147.2	3055.1	2895.0	2826.9	2778.8
22.5°	3103.2	2983.1	2802.9	2710.8	2658.7
25°	3039.1	2903.0	2694.8	2586.7	2518.6
27.5°	2967.0	2810.9	2574.6	2434.5	2358.4
30°	2883.0	2702.8	2442.5	2278.3	2210.3
32.5°	2790.9	2582.6	2282.3	2106.2	2030.1
35°	2686.8	2446.5	2118.2	1934.0	1853.9
37.5°	2558.6	2298.4	1954.0	1765.8	1701.7
40°	2430.5	2142.2	1789.8	1613.7	1545.6
42.5°	2286.3	1970.0	1621.7	1461.5	1413.4
45°	2110.2	1793.8	1457.5	1333.4	1301.3
47.5°	1938.0	1613.7	1309.3	1221.3	1193.2
50°	1761.8	1437.5	1169.2	1113.1	1093.1
52.5°	1557.6	1265.3	1053.1	1017.0	1009.0
55°	1365.4	1109.1	941.0	924.9	920.9
57.5°	1181.2	961.0	836.9	848.9	840.9
60°	1009.0	824.8	744.8	760.8	756.8
62.5°	840.9	700.7	660.7	692.7	684.7
65°	688.7	592.6	592.6	616.6	608.6
67.5°	556.6	504.5	528.5	552.6	544.6
70°	444.5	424.4	472.5	492.5	484.5
72.5°	344.4	356.4	416.4	440.5	428.4
75°	264.3	300.3	376.4	396.4	384.4
77.5°	188.2	252.3	340.3	356.4	344.4
80°	132.1	212.2	308.3	324.3	312.3
82.5°	84.1	180.2	280.3	296.3	288.3
85°	48.0	152.2	256.3	272.3	264.3
87.5°	24.0	132.1	232.2	252.3	244.3
90°	0.0	112.1	216.2	236.2	228.2
92.5°	0.0	100.1	200.2	220.2	212.2
95°	0.0	88.1	184.2	204.2	200.2
97.5°	0.0	80.1	172.2	192.2	184.2
100°	0.0	68.1	156.2	176.2	172.2
102.5°	0.0	64.1	144.1	164.2	160.2
105°	0.0	56.1	132.1	152.2	152.2
107.5°	0.0	52.1	124.1	144.1	140.1
110°	0.0	44.0	112.1	132.1	132.1



TEST NUMBER: P218252

CATALOG NUMBER: 8TSNLED-LD5-75SL-LN-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	40.0	104.1	124.1	120.1
115°	0.0	36.0	96.1	116.1	112.1
117.5°	0.0	36.0	88.1	104.1	104.1
120°	0.0	32.0	80.1	96.1	96.1
122.5°	0.0	28.0	72.1	88.1	88.1
125°	0.0	24.0	64.1	80.1	80.1
127.5°	0.0	24.0	60.1	76.1	76.1
130°	0.0	20.0	52.1	68.1	68.1
132.5°	0.0	16.0	48.0	60.1	60.1
135°	0.0	16.0	44.0	56.1	56.1
137.5°	0.0	12.0	36.0	48.0	48.0
140°	0.0	12.0	32.0	44.0	44.0
142.5°	0.0	8.0	28.0	40.0	36.0
145°	0.0	8.0	24.0	32.0	32.0
147.5°	0.0	4.0	20.0	28.0	28.0
150°	0.0	4.0	16.0	24.0	20.0
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)