

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: P218132

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-75SL-LC-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7828.0 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

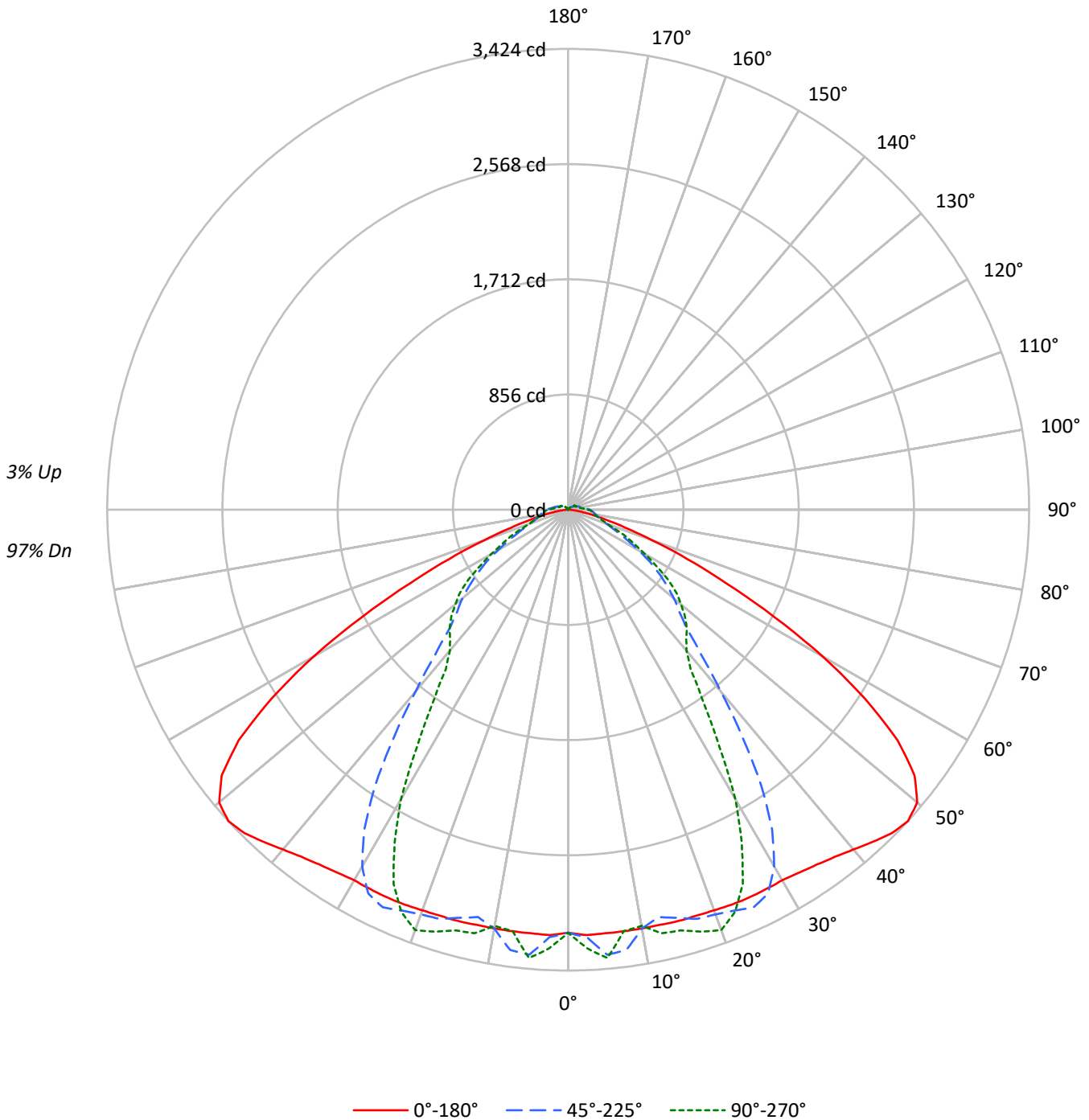
Input Watts (W): 55.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	25326	25326	25326
5°	25505	25253	24866
10°	25753	22929	21834
15°	26239	21942	21284
20°	26952	21724	20892
25°	27992	21679	18596
30°	29226	20089	14643
35°	31209	16325	10146
40°	34064	11540	7809
45°	37944	8214	7095
50°	41381	6907	6252
55°	40745	5678	5212
60°	34000	4301	3897
65°	23674	3115	2865
70°	14898	2371	1963
75°	8557	2025	1554
80°	4982	1896	1337
85°	2388	1841	1340



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.0	3.9
10°-20°	910.0	11.6
20°-30°	1446.0	18.5
30°-40°	1559.1	19.9
40°-50°	1343.8	17.2
50°-60°	1017.4	13.0
60°-70°	549.6	7.0
70°-80°	261.0	3.3
80°-90°	163.9	2.1
90°-100°	104.3	1.3
100°-110°	66.7	0.9
110°-120°	44.7	0.6
120°-130°	29.5	0.4
130°-140°	14.4	0.2
140°-150°	6.1	0.1
150°-160°	2.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2665.0	34.0
0°-40°	4224.1	54.0
0°-60°	6585.3	84.1
0°-90°	7559.9	96.6
90°-120°	215.7	2.8
90°-150°	265.8	3.4
90°-180°	268.0	3.4
0°-180°	7828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3143	3143	3143	3143	3143	
5°	3159	3228	3320	3364	3344	302
15°	3163	3248	3139	3248	3236	897
25°	3179	3119	3260	3171	3067	1471
35°	3220	3099	2499	1910	1754	2028
45°	3400	2130	1241	1229	1245	2617
55°	2987	921	821	897	901	2598
65°	1297	392	416	468	472	1332
75°	296	204	240	240	236	349
85°	32	124	184	184	180	46
90°	0	96	160	156	144	2
95°	0	76	128	116	108	0
105°	0	48	88	80	72	0
115°	0	28	60	60	60	0
125°	0	16	40	52	48	0
135°	0	8	24	28	28	0
145°	0	4	12	16	12	0
155°	0	4	4	8	4	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°	3143.4	3143.4	3143.4	3143.4	3143.4
2.5°	3163.4	3167.4	3179.4	3239.5	3263.5
5°	3159.4	3227.5	3319.6	3363.6	3343.6
7.5°	3159.4	3299.5	3299.5	3215.5	3159.4
10°	3159.4	3339.6	3159.4	3143.4	3139.4
12.5°	3159.4	3315.6	3099.3	3211.5	3223.5
15°	3163.4	3247.5	3139.4	3247.5	3235.5
17.5°	3163.4	3167.4	3187.4	3271.5	3287.5
20°	3167.4	3115.3	3199.4	3335.6	3323.6
22.5°	3175.4	3107.3	3223.5	3307.6	3235.5
25°	3179.4	3119.4	3259.5	3171.4	3067.3
27.5°	3179.4	3135.4	3215.5	2963.2	2791.0
30°	3179.4	3143.4	3059.3	2674.9	2482.7
32.5°	3195.4	3135.4	2819.0	2298.5	2090.2
35°	3219.5	3099.3	2498.7	1910.1	1753.9
37.5°	3251.5	3003.2	2122.3	1597.7	1493.6
40°	3295.5	2795.0	1761.9	1397.5	1365.5
42.5°	3347.6	2490.7	1465.6	1297.4	1297.4
45°	3399.7	2130.3	1241.3	1229.3	1245.3
47.5°	3423.7	1777.9	1117.2	1161.2	1177.3
50°	3383.6	1449.6	1025.1	1085.2	1093.2
52.5°	3243.5	1157.2	921.0	993.1	1013.1
55°	2987.2	921.0	820.9	897.0	901.0
57.5°	2614.8	732.8	716.8	776.8	772.8
60°	2186.3	592.6	600.6	660.7	660.7
62.5°	1725.9	480.5	504.5	556.6	552.6
65°	1297.4	392.4	416.4	468.5	472.5
67.5°	957.0	324.3	352.4	388.4	380.4
70°	668.7	272.3	300.3	320.3	312.3
72.5°	444.5	232.2	264.3	272.3	268.3
75°	296.3	204.2	240.3	240.3	236.3
77.5°	192.2	180.2	224.2	220.2	212.2
80°	120.1	160.2	208.2	200.2	192.2
82.5°	72.1	140.2	196.2	188.2	180.2
85°	32.0	124.1	184.2	184.2	180.2
87.5°	12.0	112.1	172.2	176.2	168.2
90°	0.0	96.1	160.2	156.2	144.2
92.5°	0.0	88.1	144.2	132.1	124.1
95°	0.0	76.1	128.1	116.1	108.1
97.5°	0.0	68.1	116.1	104.1	96.1
100°	0.0	60.1	104.1	92.1	84.1
102.5°	0.0	52.1	96.1	84.1	80.1
105°	0.0	48.1	88.1	80.1	72.1
107.5°	0.0	44.0	80.1	72.1	68.1
110°	0.0	36.0	72.1	68.1	64.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.0	64.1	64.1	64.1
115°	0.0	28.0	60.1	60.1	60.1
117.5°	0.0	24.0	52.1	60.1	60.1
120°	0.0	24.0	48.1	56.1	56.1
122.5°	0.0	20.0	44.0	56.1	56.1
125°	0.0	16.0	40.0	52.1	48.1
127.5°	0.0	12.0	36.0	44.0	44.0
130°	0.0	12.0	32.0	40.0	36.0
132.5°	0.0	8.0	28.0	32.0	32.0
135°	0.0	8.0	24.0	28.0	28.0
137.5°	0.0	8.0	20.0	24.0	20.0
140°	0.0	4.0	16.0	20.0	16.0
142.5°	0.0	4.0	16.0	20.0	16.0
145°	0.0	4.0	12.0	16.0	12.0
147.5°	0.0	4.0	8.0	12.0	12.0
150°	0.0	4.0	8.0	12.0	8.0
152.5°	0.0	4.0	8.0	8.0	4.0
155°	0.0	4.0	4.0	8.0	4.0
157.5°	0.0	4.0	4.0	4.0	4.0
160°	4.0	4.0	4.0	4.0	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)