

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: P218030

Luminaire Tested: **8TSNLED-LD5-112SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-112SL-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12532.0 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

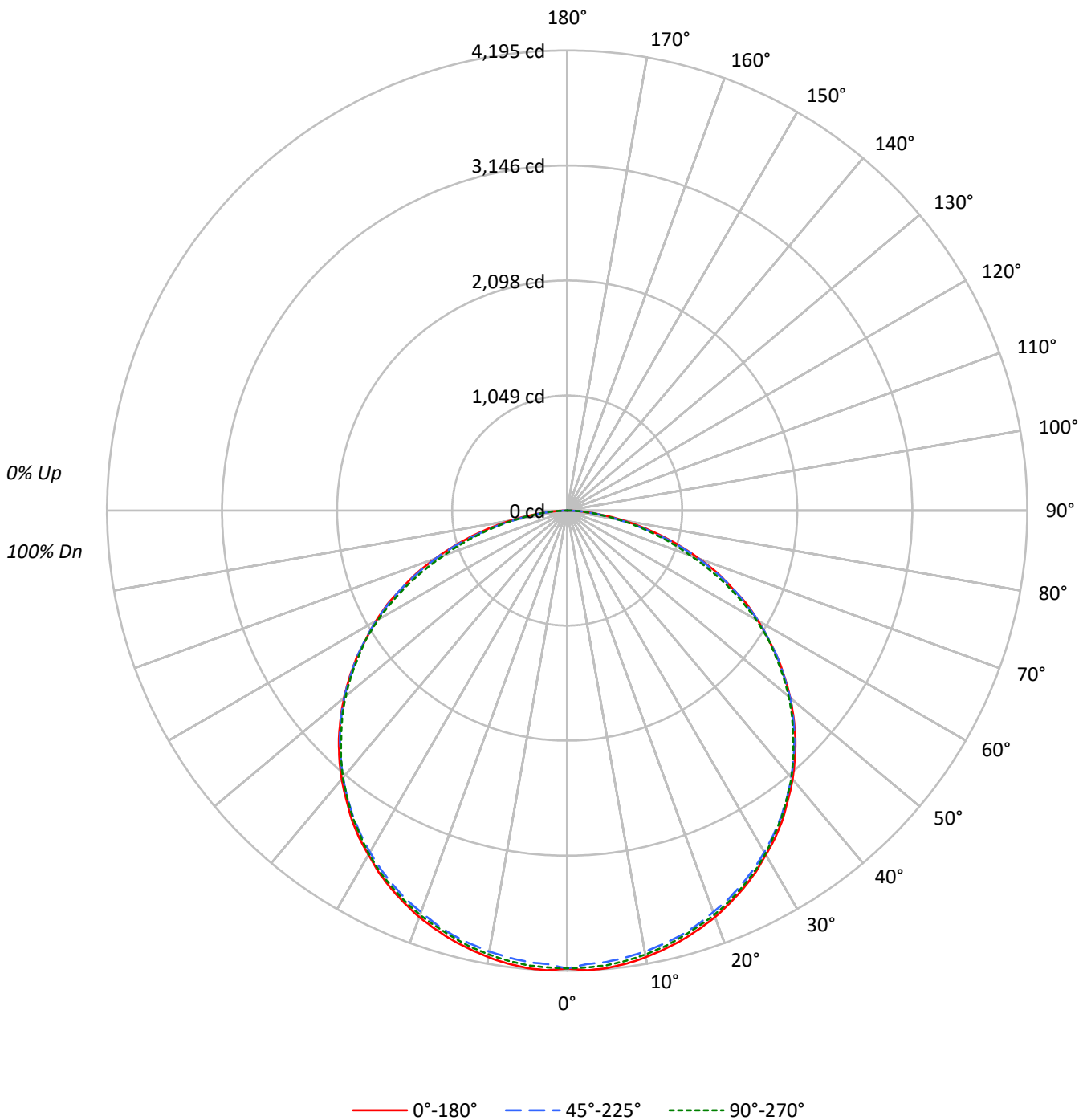
Input Watts (W): 85.64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

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

	0°	45°	90°
0°	33627	33627	33627
5°	33799	31420	30943
10°	33702	29630	28575
15°	33612	28020	26486
20°	33560	26456	24656
25°	33464	25020	22939
30°	33307	23622	21319
35°	33233	22228	19732
40°	33061	20809	18193
45°	32845	19387	16593
50°	32492	17871	15070
55°	31982	16217	13438
60°	31274	14400	11733
65°	30132	12387	9722
70°	28483	10027	7519
75°	25908	7231	5388
80°	21398	4303	3346
85°	14233	1863	1354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.6	3.2
10°-20°	1138.7	9.1
20°-30°	1744.6	13.9
30°-40°	2135.3	17.0
40°-50°	2259.7	18.0
50°-60°	2090.0	16.7
60°-70°	1622.9	12.9
70°-80°	914.1	7.3
80°-90°	231.2	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3278.8	26.2
0°-40°	5414.2	43.2
0°-60°	9763.8	77.9
0°-90°	12532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12532.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4174	4174	4174	4174	4174	
5°	4187	4169	4130	4169	4161	398
15°	4052	4039	4009	4044	4026	1144
25°	3801	3788	3762	3792	3784	1752
35°	3428	3415	3402	3411	3411	2144
45°	2943	2938	2930	2926	2912	2268
55°	2345	2353	2345	2336	2323	2092
65°	1651	1664	1656	1634	1604	1638
75°	897	897	858	836	819	945
85°	191	191	186	186	182	238
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4173.7	4173.7	4173.7	4173.7	4173.7
2.5°	4195.4	4178.0	4139.0	4178.0	4169.3
5°	4186.7	4169.3	4130.3	4169.3	4160.7
7.5°	4165.0	4152.0	4108.7	4147.7	4139.0
10°	4134.7	4121.7	4082.7	4121.7	4108.7
12.5°	4095.7	4082.7	4048.0	4082.7	4074.0
15°	4052.3	4039.3	4009.0	4043.7	4026.3
17.5°	4000.3	3991.7	3957.0	3991.7	3974.3
20°	3944.0	3926.6	3896.3	3931.0	3922.3
22.5°	3874.6	3866.0	3835.6	3866.0	3857.3
25°	3801.0	3788.0	3761.9	3792.3	3783.6
27.5°	3718.6	3709.9	3683.9	3705.6	3705.6
30°	3623.3	3618.9	3597.3	3618.9	3614.6
32.5°	3532.2	3523.6	3501.9	3519.2	3510.6
35°	3428.2	3415.2	3402.2	3410.9	3410.9
37.5°	3311.2	3306.9	3293.9	3306.9	3293.9
40°	3198.5	3189.9	3176.9	3181.2	3181.2
42.5°	3072.8	3068.5	3055.5	3055.5	3051.2
45°	2942.8	2938.5	2929.8	2925.5	2912.5
47.5°	2799.8	2795.5	2795.5	2791.1	2782.5
50°	2656.8	2656.8	2652.4	2639.4	2635.1
52.5°	2500.7	2509.4	2496.4	2487.7	2483.4
55°	2344.7	2353.4	2344.7	2336.0	2323.0
57.5°	2171.4	2188.7	2175.7	2171.4	2167.0
60°	2011.0	2019.7	2011.0	1998.0	1989.3
62.5°	1846.3	1846.3	1833.3	1824.6	1798.6
65°	1651.3	1664.3	1655.6	1633.9	1603.6
67.5°	1477.9	1469.2	1460.6	1434.6	1399.9
70°	1278.5	1282.9	1269.9	1230.9	1196.2
72.5°	1087.8	1096.5	1070.5	1018.5	1009.8
75°	897.1	897.1	858.1	836.5	819.1
77.5°	702.1	706.4	654.4	650.1	645.8
80°	515.8	524.4	472.4	485.4	481.1
82.5°	351.1	342.4	320.7	320.7	316.4
85°	190.7	190.7	186.4	186.4	182.0
87.5°	73.7	78.0	86.7	95.3	91.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)