

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: P218485

Luminaire Tested: **8TSNLED-LD5-62SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-62SL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6982.0 lumens  
Efficiency: N/A  
Efficacy: 158.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

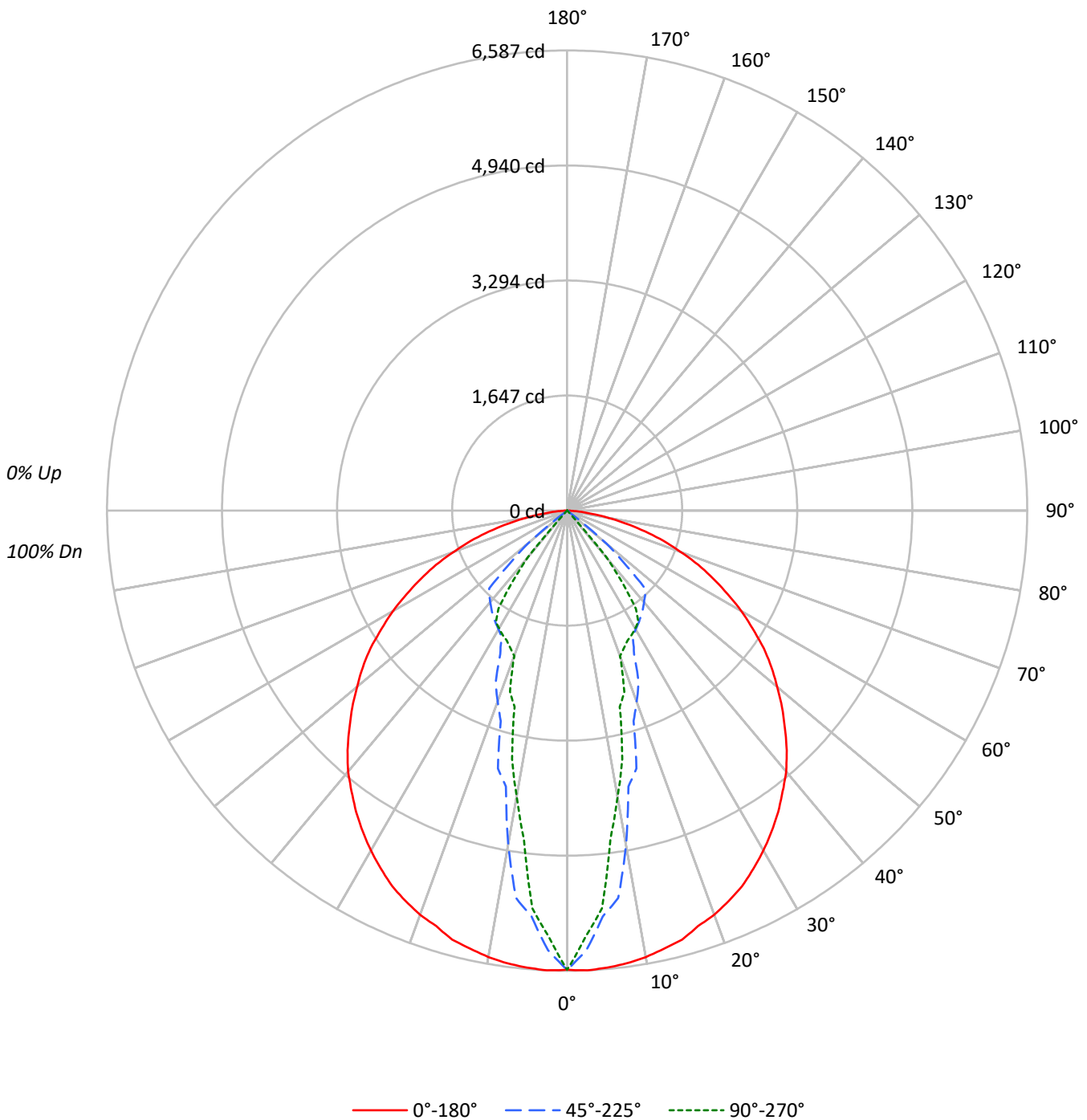
Input Watts (W): 44.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

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

	0°	45°	90°
0°	52965	52965	52965
5°	53016	44361	42515
10°	52897	35219	28915
15°	52736	26723	19136
20°	52378	19729	13916
25°	52202	15083	12419
30°	51651	12897	11485
35°	51033	12038	9917
40°	50404	11207	4979
45°	49190	10429	19
50°	48000	4957	0
55°	46859	163	0
60°	44819	121	0
65°	42120	50	0
70°	38493	27	0
75°	33330	29	22
80°	24639	31	24
85°	12844	34	25



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.5	7.8
10°-20°	1169.5	16.8
20°-30°	1395.2	20.0
30°-40°	1484.6	21.3
40°-50°	1084.7	15.5
50°-60°	692.8	9.9
60°-70°	417.1	6.0
70°-80°	162.6	2.3
80°-90°	33.0	0.5
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°	3107.3	44.5
0°-40°	4591.9	65.8
0°-60°	6369.3	91.2
0°-90°	6982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6982.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6574	6574	6574	6574	6574	
5°	6567	6247	5832	5727	5717	624
15°	6358	5423	3824	2980	2909	1791
25°	5929	3780	2268	2065	2048	2728
35°	5264	2497	1843	1843	1714	3293
45°	4407	1616	1576	7	3	3404
55°	3435	1276	24	3	0	3058
65°	2308	520	7	3	0	2284
75°	1154	27	3	3	3	1219
85°	172	3	3	3	3	239
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6573.9	6573.9	6573.9	6573.9	6573.9
2.5°	6587.4	6543.5	6300.6	6199.3	6101.4
5°	6567.2	6246.6	5831.5	5726.9	5716.7
7.5°	6536.8	5946.2	5595.2	4994.5	4741.4
10°	6489.5	5750.5	4852.8	4346.6	4157.6
12.5°	6422.0	5460.3	4046.3	3756.0	3644.7
15°	6357.9	5423.1	3823.5	2979.9	2909.0
17.5°	6236.4	4667.2	3158.7	2801.0	2720.0
20°	6155.4	4323.0	2905.6	2429.8	2213.8
22.5°	6047.4	4120.5	2672.8	2210.4	2126.1
25°	5929.3	3779.7	2267.8	2065.3	2048.4
27.5°	5777.5	3324.1	2031.6	2011.3	2004.6
30°	5618.9	2821.2	1964.1	1957.3	1947.2
32.5°	5446.8	2622.1	1903.3	1903.3	1893.2
35°	5264.5	2497.3	1842.6	1842.6	1714.3
37.5°	5068.8	2338.7	1781.8	1781.8	1289.1
40°	4876.4	2004.6	1711.0	1187.9	870.7
42.5°	4653.7	1731.2	1650.2	830.2	6.7
45°	4407.3	1616.5	1576.0	6.7	3.4
47.5°	4174.5	1535.5	1073.2	3.4	0.0
50°	3924.8	1447.7	735.7	3.4	0.0
52.5°	3688.5	1366.8	33.7	3.4	0.0
55°	3435.4	1275.6	23.6	3.4	0.0
57.5°	3148.6	1187.9	20.2	3.4	0.0
60°	2882.0	1093.4	16.9	3.4	0.0
62.5°	2588.4	928.0	10.1	3.4	0.0
65°	2308.3	519.7	6.7	3.4	0.0
67.5°	2031.6	84.4	6.7	3.4	0.0
70°	1727.8	57.4	3.4	3.4	0.0
72.5°	1447.7	43.9	3.4	3.4	3.4
75°	1154.1	27.0	3.4	3.4	3.4
77.5°	863.9	16.9	3.4	3.4	3.4
80°	593.9	10.1	3.4	3.4	3.4
82.5°	357.7	3.4	3.4	3.4	3.4
85°	172.1	3.4	3.4	3.4	3.4
87.5°	54.0	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)