

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: P218482

Luminaire Tested: **8TSNLED-LD5-62SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218482  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5956.0 lumens  
Efficiency: N/A  
Efficacy: 135.1 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

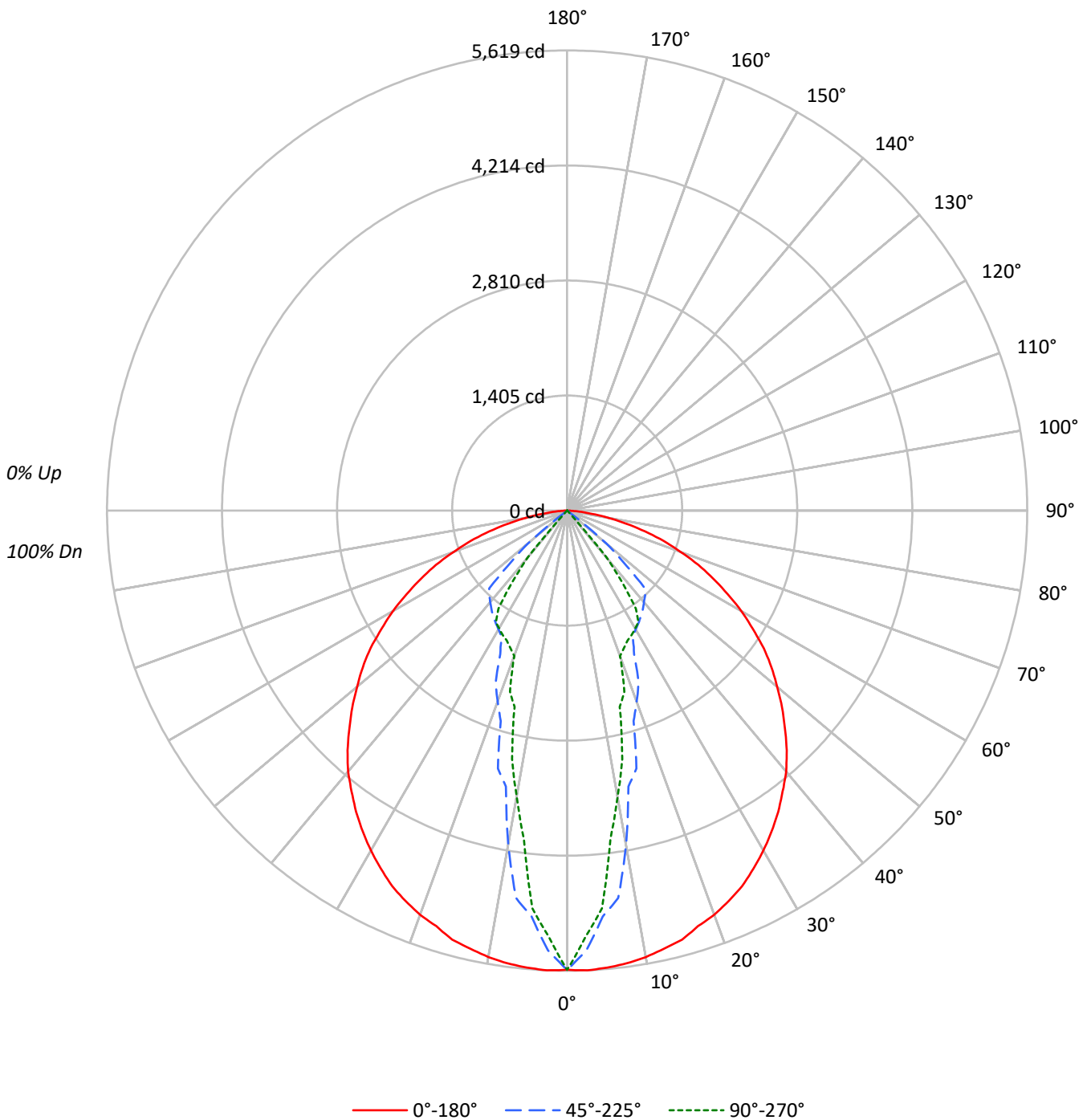
Input Watts (W): 44.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	45182	45182	45182
5°	45225	37842	36268
10°	45124	30043	24667
15°	44987	22797	16324
20°	44681	16829	11871
25°	44531	12866	10594
30°	44061	11002	9797
35°	43534	10269	8460
40°	42997	9560	4247
45°	41962	8896	17
50°	40946	4229	0
55°	39973	140	0
60°	38233	103	0
65°	35931	43	0
70°	32837	23	0
75°	28432	24	19
80°	21021	26	20
85°	10956	29	22



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	462.8	7.8
10°-20°	997.7	16.8
20°-30°	1190.2	20.0
30°-40°	1266.4	21.3
40°-50°	925.3	15.5
50°-60°	591.0	9.9
60°-70°	355.8	6.0
70°-80°	138.7	2.3
80°-90°	28.1	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°	2650.7	44.5
0°-40°	3917.1	65.8
0°-60°	5433.4	91.2
0°-90°	5956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5608	5608	5608	5608	5608	
5°	5602	5329	4974	4885	4877	533
15°	5424	4626	3262	2542	2482	1528
25°	5058	3224	1934	1762	1747	2327
35°	4491	2130	1572	1572	1462	2809
45°	3760	1379	1344	6	3	2904
55°	2931	1088	20	3	0	2609
65°	1969	443	6	3	0	1948
75°	984	23	3	3	3	1040
85°	147	3	3	3	3	204
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5607.9	5607.9	5607.9	5607.9	5607.9
2.5°	5619.4	5582.0	5374.7	5288.3	5204.8
5°	5602.1	5328.6	4974.5	4885.3	4876.7
7.5°	5576.2	5072.4	4773.0	4260.6	4044.7
10°	5535.9	4905.4	4139.7	3707.9	3546.7
12.5°	5478.3	4657.9	3451.7	3204.1	3109.1
15°	5423.6	4626.2	3261.7	2542.0	2481.5
17.5°	5320.0	3981.4	2694.5	2389.4	2320.3
20°	5250.9	3687.7	2478.6	2072.7	1888.5
22.5°	5158.8	3515.0	2280.0	1885.6	1813.6
25°	5058.0	3224.2	1934.5	1761.8	1747.4
27.5°	4928.5	2835.6	1733.0	1715.8	1710.0
30°	4793.2	2406.7	1675.5	1669.7	1661.1
32.5°	4646.4	2236.8	1623.6	1623.6	1615.0
35°	4490.9	2130.3	1571.8	1571.8	1462.4
37.5°	4323.9	1995.0	1520.0	1520.0	1099.7
40°	4159.8	1710.0	1459.5	1013.3	742.7
42.5°	3969.8	1476.8	1407.7	708.2	5.8
45°	3759.7	1378.9	1344.4	5.8	2.9
47.5°	3561.1	1309.8	915.5	2.9	0.0
50°	3348.0	1235.0	627.6	2.9	0.0
52.5°	3146.5	1165.9	28.8	2.9	0.0
55°	2930.6	1088.2	20.2	2.9	0.0
57.5°	2685.9	1013.3	17.3	2.9	0.0
60°	2458.5	932.7	14.4	2.9	0.0
62.5°	2208.0	791.7	8.6	2.9	0.0
65°	1969.1	443.3	5.8	2.9	0.0
67.5°	1733.0	72.0	5.8	2.9	0.0
70°	1473.9	48.9	2.9	2.9	0.0
72.5°	1235.0	37.4	2.9	2.9	2.9
75°	984.5	23.0	2.9	2.9	2.9
77.5°	737.0	14.4	2.9	2.9	2.9
80°	506.7	8.6	2.9	2.9	2.9
82.5°	305.2	2.9	2.9	2.9	2.9
85°	146.8	2.9	2.9	2.9	2.9
87.5°	46.1	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)