

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: P218495

Luminaire Tested: **8TSNLED-LD5-85SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218495  
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-LD5-85SL-RM-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8427.0 lumens  
Efficiency: N/A  
Efficacy: 137.8 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

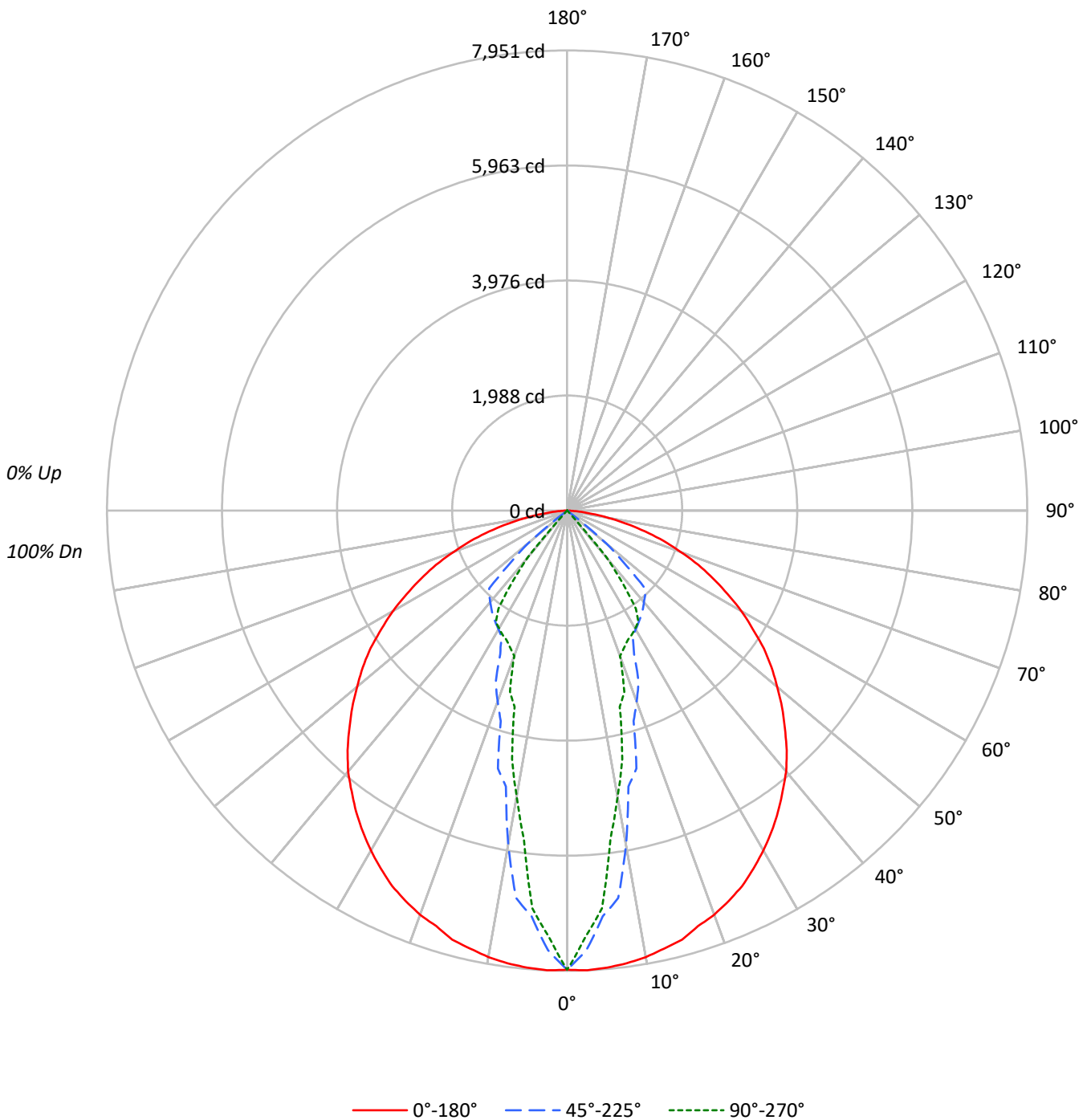
Input Watts (W): 61.16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	63926	63926	63926
5°	63988	53542	51314
10°	63844	42507	34900
15°	63651	32254	23097
20°	63219	23812	16796
25°	63006	18204	14989
30°	62340	15567	13861
35°	61596	14529	11970
40°	60837	13526	6010
45°	59371	12587	23
50°	57933	5982	0
55°	56557	197	0
60°	54094	146	0
65°	50837	61	0
70°	46460	32	0
75°	40229	35	27
80°	29741	37	29
85°	15501	41	30



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	654.8	7.8
10°-20°	1411.6	16.8
20°-30°	1684.0	20.0
30°-40°	1791.8	21.3
40°-50°	1309.1	15.5
50°-60°	836.2	9.9
60°-70°	503.4	6.0
70°-80°	196.2	2.3
80°-90°	39.8	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°	3750.4	44.5
0°-40°	5542.2	65.8
0°-60°	7687.5	91.2
0°-90°	8427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8427.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7934	7934	7934	7934	7934	
5°	7926	7539	7038	6912	6900	754
15°	7674	6546	4615	3597	3511	2161
25°	7156	4562	2737	2493	2472	3293
35°	6354	3014	2224	2224	2069	3975
45°	5320	1951	1902	8	4	4109
55°	4146	1540	28	4	0	3691
65°	2786	627	8	4	0	2757
75°	1393	33	4	4	4	1472
85°	208	4	4	4	4	289
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7934.4	7934.4	7934.4	7934.4	7934.4
2.5°	7950.7	7897.8	7604.5	7482.3	7364.2
5°	7926.3	7539.3	7038.4	6912.1	6899.9
7.5°	7889.6	7176.8	6753.2	6028.2	5722.7
10°	7832.6	6940.6	5857.1	5246.2	5018.1
12.5°	7751.2	6590.3	4883.7	4533.4	4399.0
15°	7673.8	6545.5	4614.8	3596.6	3511.0
17.5°	7527.1	5633.1	3812.4	3380.7	3282.9
20°	7429.4	5217.7	3507.0	2932.6	2672.0
22.5°	7299.0	4973.3	3225.9	2667.9	2566.1
25°	7156.5	4561.9	2737.1	2492.8	2472.4
27.5°	6973.2	4012.0	2452.0	2427.6	2419.4
30°	6781.7	3405.1	2370.6	2362.4	2350.2
32.5°	6574.0	3164.8	2297.2	2297.2	2285.0
35°	6354.1	3014.1	2223.9	2223.9	2069.1
37.5°	6117.8	2822.7	2150.6	2150.6	1555.9
40°	5885.7	2419.4	2065.1	1433.7	1050.9
42.5°	5616.8	2089.5	1991.8	1002.0	8.1
45°	5319.5	1951.0	1902.1	8.1	4.1
47.5°	5038.5	1853.3	1295.3	4.1	0.0
50°	4737.0	1747.4	887.9	4.1	0.0
52.5°	4451.9	1649.6	40.7	4.1	0.0
55°	4146.4	1539.6	28.5	4.1	0.0
57.5°	3800.2	1433.7	24.4	4.1	0.0
60°	3478.4	1319.7	20.4	4.1	0.0
62.5°	3124.1	1120.1	12.2	4.1	0.0
65°	2786.0	627.3	8.1	4.1	0.0
67.5°	2452.0	101.8	8.1	4.1	0.0
70°	2085.4	69.2	4.1	4.1	0.0
72.5°	1747.4	53.0	4.1	4.1	4.1
75°	1393.0	32.6	4.1	4.1	4.1
77.5°	1042.7	20.4	4.1	4.1	4.1
80°	716.9	12.2	4.1	4.1	4.1
82.5°	431.8	4.1	4.1	4.1	4.1
85°	207.7	4.1	4.1	4.1	4.1
87.5°	65.2	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)