

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: P218494

Luminaire Tested: **8TSNLED-LD5-85SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218494  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7932.9 lumens  
Efficiency: N/A  
Efficacy: 129.7 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

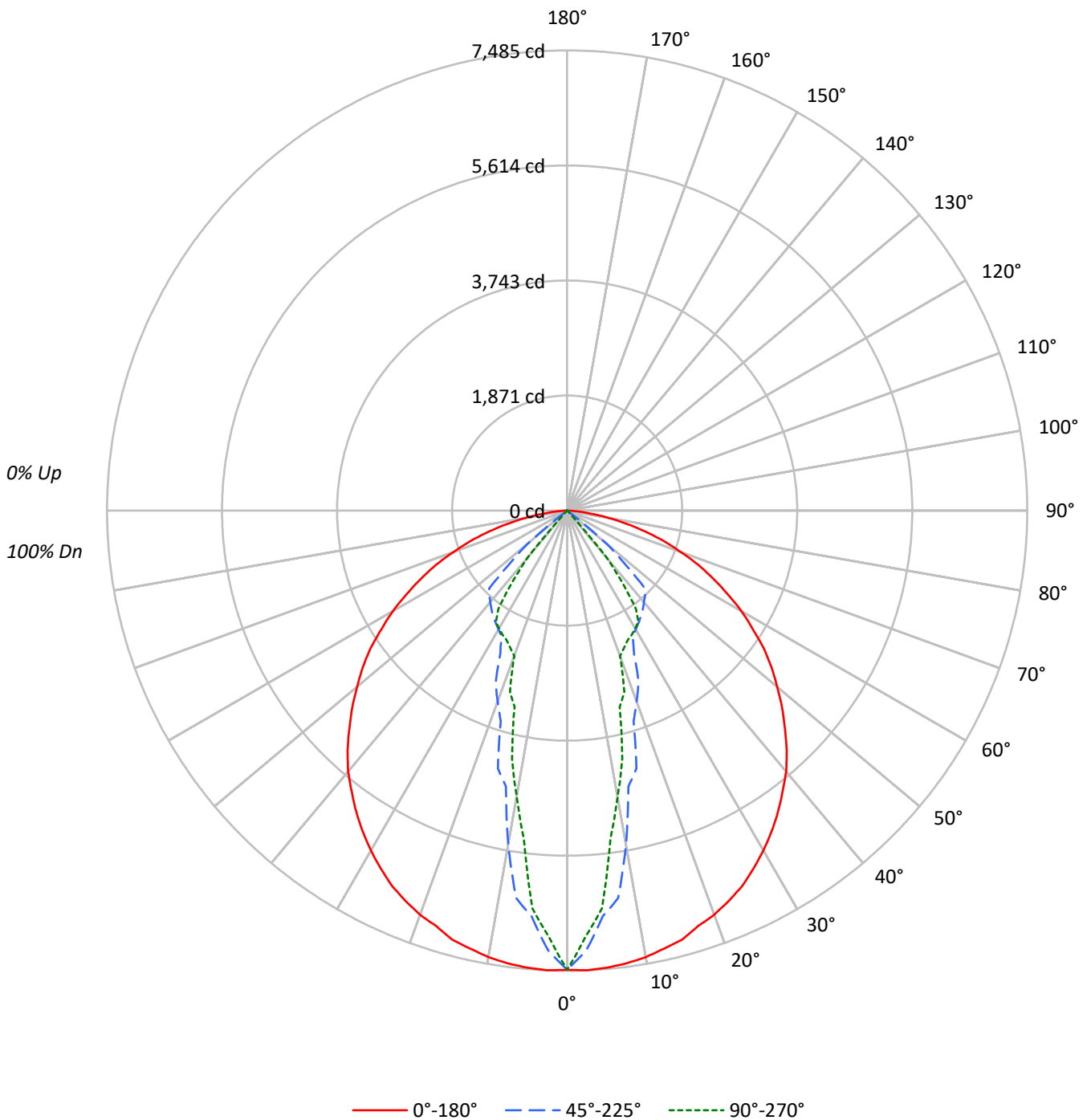
Input Watts (W): 61.16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	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°	60179	60179	60179
5°	60236	50404	48306
10°	60102	40016	32854
15°	59920	30363	21743
20°	59513	22416	15811
25°	59313	17137	14111
30°	58686	14654	13049
35°	57985	13678	11268
40°	57270	12733	5658
45°	55891	11849	22
50°	54537	5632	0
55°	53242	185	0
60°	50923	137	0
65°	47857	58	0
70°	43738	30	0
75°	37869	32	25
80°	27995	35	26
85°	14598	38	28



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.4	7.8
10°-20°	1328.8	16.8
20°-30°	1585.3	20.0
30°-40°	1686.8	21.3
40°-50°	1232.4	15.5
50°-60°	787.1	9.9
60°-70°	473.9	6.0
70°-80°	184.7	2.3
80°-90°	37.4	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°	3530.6	44.5
0°-40°	5217.3	65.8
0°-60°	7236.9	91.2
0°-90°	7932.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7932.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7469	7469	7469	7469	7469	
5°	7462	7097	6626	6507	6495	709
15°	7224	6162	4344	3386	3305	2035
25°	6737	4294	2577	2347	2328	3100
35°	5982	2837	2094	2094	1948	3742
45°	5008	1837	1791	8	4	3868
55°	3903	1449	27	4	0	3475
65°	2623	590	8	4	0	2595
75°	1311	31	4	4	4	1385
85°	196	4	4	4	4	272
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7469.3	7469.3	7469.3	7469.3	7469.3
2.5°	7484.7	7434.8	7158.7	7043.7	6932.5
5°	7461.6	7097.4	6625.8	6506.9	6495.4
7.5°	7427.1	6756.1	6357.4	5674.8	5387.3
10°	7373.5	6533.7	5513.8	4938.6	4723.9
12.5°	7296.8	6204.0	4597.4	4267.6	4141.1
15°	7223.9	6161.8	4344.3	3385.7	3305.2
17.5°	7085.9	5302.9	3589.0	3182.5	3090.5
20°	6993.9	4911.8	3301.4	2760.7	2515.3
22.5°	6871.2	4681.7	3036.8	2511.5	2415.6
25°	6737.0	4294.5	2576.7	2346.6	2327.5
27.5°	6564.4	3776.8	2308.3	2285.3	2277.6
30°	6384.2	3205.5	2231.6	2223.9	2212.4
32.5°	6188.6	2979.3	2162.6	2162.6	2151.1
35°	5981.6	2837.4	2093.6	2093.6	1947.9
37.5°	5759.2	2657.2	2024.5	2024.5	1464.7
40°	5540.6	2277.6	1944.0	1349.7	989.3
42.5°	5287.6	1967.0	1875.0	943.3	7.7
45°	5007.7	1836.7	1790.6	7.7	3.8
47.5°	4743.1	1744.6	1219.3	3.8	0.0
50°	4459.3	1644.9	835.9	3.8	0.0
52.5°	4190.9	1552.9	38.3	3.8	0.0
55°	3903.4	1449.4	26.8	3.8	0.0
57.5°	3577.4	1349.7	23.0	3.8	0.0
60°	3274.5	1242.3	19.2	3.8	0.0
62.5°	2940.9	1054.4	11.5	3.8	0.0
65°	2622.7	590.5	7.7	3.8	0.0
67.5°	2308.3	95.9	7.7	3.8	0.0
70°	1963.2	65.2	3.8	3.8	0.0
72.5°	1644.9	49.8	3.8	3.8	3.8
75°	1311.3	30.7	3.8	3.8	3.8
77.5°	981.6	19.2	3.8	3.8	3.8
80°	674.8	11.5	3.8	3.8	3.8
82.5°	406.4	3.8	3.8	3.8	3.8
85°	195.6	3.8	3.8	3.8	3.8
87.5°	61.3	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)