

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: P218500

Luminaire Tested: **8TSNLED-LD5-95SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218500
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-LD5-95SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9497.0 lumens
Efficiency: N/A
Efficacy: 137.3 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

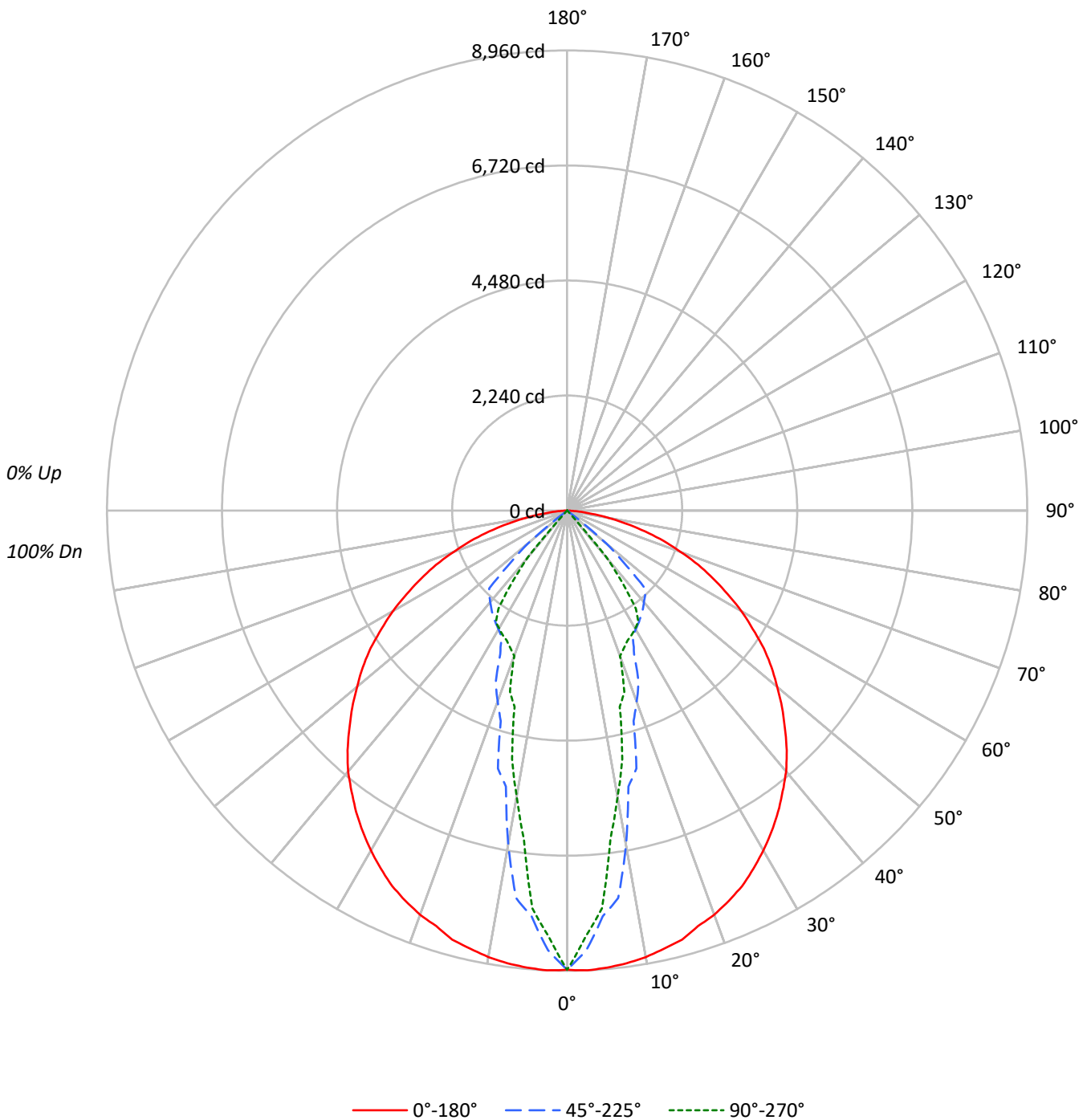
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	72043	72043	72043
5°	72112	60340	57830
10°	71951	47904	39331
15°	71733	36349	26029
20°	71245	26835	18928
25°	71006	20516	16892
30°	70256	17543	15621
35°	69417	16374	13490
40°	68561	15244	6773
45°	66910	14185	26
50°	65290	6742	0
55°	63738	222	0
60°	60963	165	0
65°	57293	69	0
70°	52360	36	0
75°	45338	39	30
80°	33517	42	32
85°	17472	46	34



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.0	7.8
10°-20°	1590.8	16.8
20°-30°	1897.8	20.0
30°-40°	2019.4	21.3
40°-50°	1475.4	15.5
50°-60°	942.3	9.9
60°-70°	567.4	6.0
70°-80°	221.1	2.3
80°-90°	44.9	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°	4226.6	44.5
0°-40°	6246.0	65.8
0°-60°	8663.7	91.2
0°-90°	9497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8942	8942	8942	8942	8942	
5°	8933	8497	7932	7790	7776	849
15°	8648	7377	5201	4053	3957	2436
25°	8065	5141	3085	2809	2786	3711
35°	7161	3397	2506	2506	2332	4480
45°	5995	2199	2144	9	5	4631
55°	4673	1735	32	5	0	4160
65°	3140	707	9	5	0	3107
75°	1570	37	5	5	5	1658
85°	234	5	5	5	5	326
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8941.9	8941.9	8941.9	8941.9	8941.9
2.5°	8960.3	8900.6	8570.1	8432.4	8299.3
5°	8932.7	8496.6	7932.0	7789.7	7776.0
7.5°	8891.4	8088.1	7610.7	6793.6	6449.4
10°	8827.1	7821.9	6600.8	5912.3	5655.2
12.5°	8735.3	7427.1	5503.8	5109.0	4957.5
15°	8648.1	7376.6	5200.8	4053.2	3956.8
17.5°	8482.9	6348.4	4296.5	3809.9	3699.8
20°	8372.7	5880.2	3952.2	3305.0	3011.2
22.5°	8225.8	5604.8	3635.5	3006.6	2891.9
25°	8065.2	5141.1	3084.7	2809.3	2786.3
27.5°	7858.6	4521.4	2763.4	2735.8	2726.6
30°	7642.8	3837.5	2671.6	2662.4	2648.6
32.5°	7408.7	3566.7	2588.9	2588.9	2575.2
35°	7160.9	3396.8	2506.3	2506.3	2331.9
37.5°	6894.6	3181.1	2423.7	2423.7	1753.5
40°	6633.0	2726.6	2327.3	1615.8	1184.3
42.5°	6330.0	2354.8	2244.7	1129.2	9.2
45°	5994.9	2198.8	2143.7	9.2	4.6
47.5°	5678.2	2088.6	1459.7	4.6	0.0
50°	5338.5	1969.2	1000.7	4.6	0.0
52.5°	5017.2	1859.1	45.9	4.6	0.0
55°	4672.9	1735.1	32.1	4.6	0.0
57.5°	4282.7	1615.8	27.5	4.6	0.0
60°	3920.1	1487.3	23.0	4.6	0.0
62.5°	3520.8	1262.3	13.8	4.6	0.0
65°	3139.8	706.9	9.2	4.6	0.0
67.5°	2763.4	114.8	9.2	4.6	0.0
70°	2350.2	78.0	4.6	4.6	0.0
72.5°	1969.2	59.7	4.6	4.6	4.6
75°	1569.9	36.7	4.6	4.6	4.6
77.5°	1175.1	23.0	4.6	4.6	4.6
80°	807.9	13.8	4.6	4.6	4.6
82.5°	486.6	4.6	4.6	4.6	4.6
85°	234.1	4.6	4.6	4.6	4.6
87.5°	73.4	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)