

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: P218501

Luminaire Tested: **8TSNLED-LD5-95SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218501
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10273.1 lumens
Efficiency: N/A
Efficacy: 148.5 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

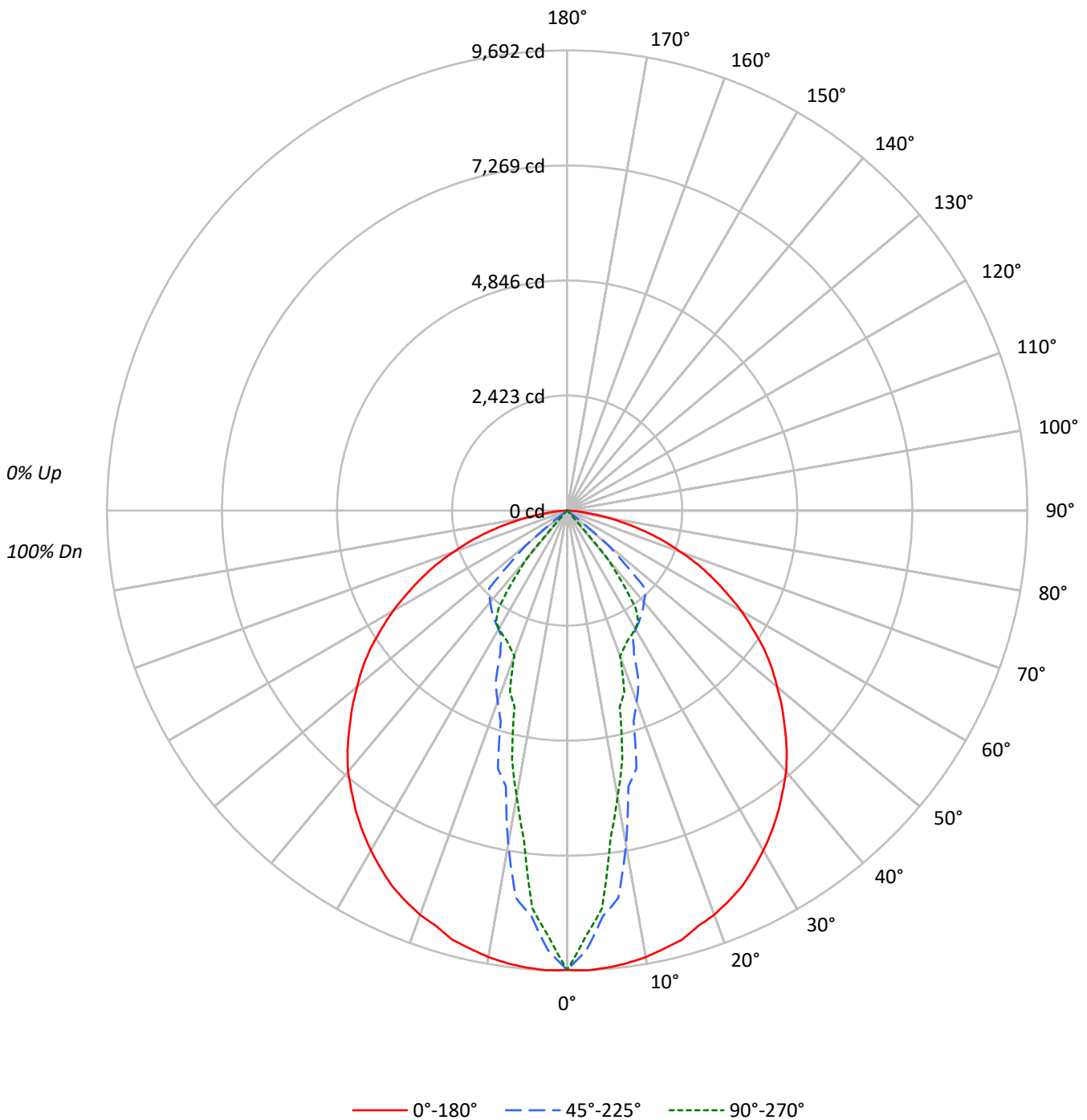
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	77930	77930	77930
5°	78005	65271	62554
10°	77830	51819	42545
15°	77595	39320	28156
20°	77066	29028	20475
25°	76808	22192	18273
30°	75997	18976	16898
35°	75089	17712	14592
40°	74164	16489	7326
45°	72377	15344	28
50°	70624	7294	0
55°	68946	241	0
60°	65944	178	0
65°	61973	74	0
70°	56639	39	0
75°	49043	42	33
80°	36255	46	35
85°	18897	50	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.3	7.8
10°-20°	1720.8	16.8
20°-30°	2052.9	20.0
30°-40°	2184.3	21.3
40°-50°	1595.9	15.5
50°-60°	1019.3	9.9
60°-70°	613.7	6.0
70°-80°	239.2	2.3
80°-90°	48.5	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°	4572.0	44.5
0°-40°	6756.3	65.8
0°-60°	9371.6	91.2
0°-90°	10273.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10273.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9672	9672	9672	9672	9672	
5°	9663	9191	8580	8426	8411	919
15°	9355	7979	5626	4384	4280	2635
25°	8724	5561	3337	3039	3014	4014
35°	7746	3674	2711	2711	2522	4846
45°	6485	2378	2319	10	5	5009
55°	5055	1877	35	5	0	4500
65°	3396	765	10	5	0	3361
75°	1698	40	5	5	5	1794
85°	253	5	5	5	5	352
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9672.5	9672.5	9672.5	9672.5	9672.5
2.5°	9692.4	9627.9	9270.3	9121.4	8977.4
5°	9662.6	9190.9	8580.2	8426.2	8411.3
7.5°	9617.9	8749.0	8232.6	7348.7	6976.3
10°	9548.4	8461.0	7140.2	6395.4	6117.3
12.5°	9449.1	8034.0	5953.5	5526.5	5362.6
15°	9354.8	7979.4	5625.8	4384.4	4280.1
17.5°	9176.0	6867.1	4647.6	4121.3	4002.1
20°	9056.8	6360.6	4275.2	3575.1	3257.3
22.5°	8897.9	6062.7	3932.6	3252.3	3128.2
25°	8724.2	5561.2	3336.7	3038.8	3014.0
27.5°	8500.7	4890.9	2989.2	2959.4	2949.4
30°	8267.3	4151.0	2889.8	2879.9	2865.0
32.5°	8014.1	3858.1	2800.5	2800.5	2785.6
35°	7746.0	3674.4	2711.1	2711.1	2522.4
37.5°	7458.0	3441.0	2621.7	2621.7	1896.8
40°	7175.0	2949.4	2517.4	1747.8	1281.1
42.5°	6847.2	2547.2	2428.1	1221.5	9.9
45°	6484.8	2378.4	2318.8	9.9	5.0
47.5°	6142.2	2259.2	1579.0	5.0	0.0
50°	5774.7	2130.1	1082.5	5.0	0.0
52.5°	5427.1	2011.0	49.7	5.0	0.0
55°	5054.7	1876.9	34.8	5.0	0.0
57.5°	4632.7	1747.8	29.8	5.0	0.0
60°	4240.4	1608.8	24.8	5.0	0.0
62.5°	3808.4	1365.5	14.9	5.0	0.0
65°	3396.3	764.7	9.9	5.0	0.0
67.5°	2989.2	124.1	9.9	5.0	0.0
70°	2542.3	84.4	5.0	5.0	0.0
72.5°	2130.1	64.5	5.0	5.0	5.0
75°	1698.2	39.7	5.0	5.0	5.0
77.5°	1271.1	24.8	5.0	5.0	5.0
80°	873.9	14.9	5.0	5.0	5.0
82.5°	526.3	5.0	5.0	5.0	5.0
85°	253.2	5.0	5.0	5.0	5.0
87.5°	79.4	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)