

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: P218497

Luminaire Tested: **8TSNLED-LD5-85SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218497
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9298.0 lumens
Efficiency: N/A
Efficacy: 152.0 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

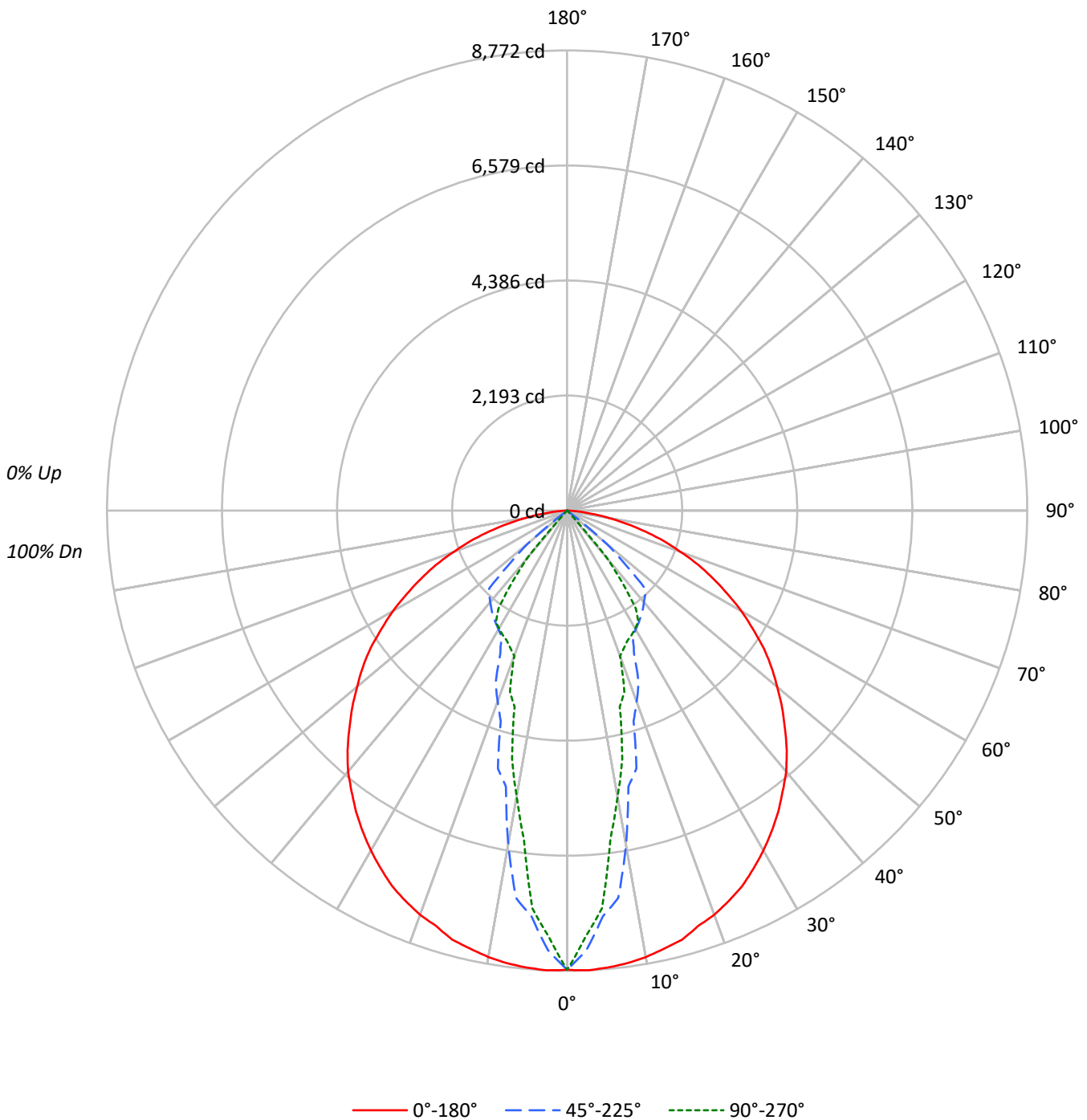
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	70533	70533	70533
5°	70601	59076	56617
10°	70444	46901	38507
15°	70230	35587	25484
20°	69753	26273	18532
25°	69518	20086	16538
30°	68784	17175	15294
35°	67962	16031	13207
40°	67124	14924	6631
45°	65508	13888	26
50°	63922	6601	0
55°	62403	218	0
60°	59686	161	0
65°	56092	67	0
70°	51264	36	0
75°	44387	38	30
80°	32815	41	31
85°	17106	45	33



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.5	7.8
10°-20°	1557.5	16.8
20°-30°	1858.1	20.0
30°-40°	1977.0	21.3
40°-50°	1444.5	15.5
50°-60°	922.6	9.9
60°-70°	555.5	6.0
70°-80°	216.5	2.3
80°-90°	43.9	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°	4138.0	44.5
0°-40°	6115.1	65.8
0°-60°	8482.1	91.2
0°-90°	9298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8754	8754	8754	8754	8754	
5°	8746	8319	7766	7626	7613	832
15°	8467	7222	5092	3968	3874	2385
25°	7896	5033	3020	2750	2728	3633
35°	7011	3326	2454	2454	2283	4386
45°	5869	2153	2099	9	4	4534
55°	4575	1699	32	4	0	4073
65°	3074	692	9	4	0	3042
75°	1537	36	4	4	4	1624
85°	229	4	4	4	4	319
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8754.5	8754.5	8754.5	8754.5	8754.5
2.5°	8772.5	8714.1	8390.5	8255.7	8125.4
5°	8745.5	8318.6	7765.8	7626.5	7613.0
7.5°	8705.1	7918.6	7451.2	6651.3	6314.2
10°	8642.2	7658.0	6462.5	5788.4	5536.7
12.5°	8552.3	7271.5	5388.4	5001.9	4853.6
15°	8466.9	7222.0	5091.8	3968.3	3873.9
17.5°	8305.1	6215.4	4206.5	3730.1	3622.3
20°	8197.3	5757.0	3869.4	3235.8	2948.1
22.5°	8053.4	5487.3	3559.3	2943.6	2831.3
25°	7896.2	5033.4	3020.0	2750.4	2727.9
27.5°	7693.9	4426.7	2705.5	2678.5	2669.5
30°	7482.7	3757.1	2615.6	2606.6	2593.1
32.5°	7253.5	3491.9	2534.7	2534.7	2521.2
35°	7010.8	3325.6	2453.8	2453.8	2283.0
37.5°	6750.2	3114.4	2372.9	2372.9	1716.8
40°	6494.0	2669.5	2278.5	1581.9	1159.5
42.5°	6197.4	2305.5	2197.6	1105.6	9.0
45°	5869.3	2152.7	2098.8	9.0	4.5
47.5°	5559.2	2044.8	1429.1	4.5	0.0
50°	5226.7	1928.0	979.7	4.5	0.0
52.5°	4912.1	1820.1	44.9	4.5	0.0
55°	4575.0	1698.8	31.5	4.5	0.0
57.5°	4193.0	1581.9	27.0	4.5	0.0
60°	3838.0	1456.1	22.5	4.5	0.0
62.5°	3447.0	1235.9	13.5	4.5	0.0
65°	3074.0	692.1	9.0	4.5	0.0
67.5°	2705.5	112.4	9.0	4.5	0.0
70°	2301.0	76.4	4.5	4.5	0.0
72.5°	1928.0	58.4	4.5	4.5	4.5
75°	1537.0	36.0	4.5	4.5	4.5
77.5°	1150.5	22.5	4.5	4.5	4.5
80°	791.0	13.5	4.5	4.5	4.5
82.5°	476.4	4.5	4.5	4.5	4.5
85°	229.2	4.5	4.5	4.5	4.5
87.5°	71.9	4.5	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)