

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: P218024

Luminaire Tested: **8TSNLED-LD5-104SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-104SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10514.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

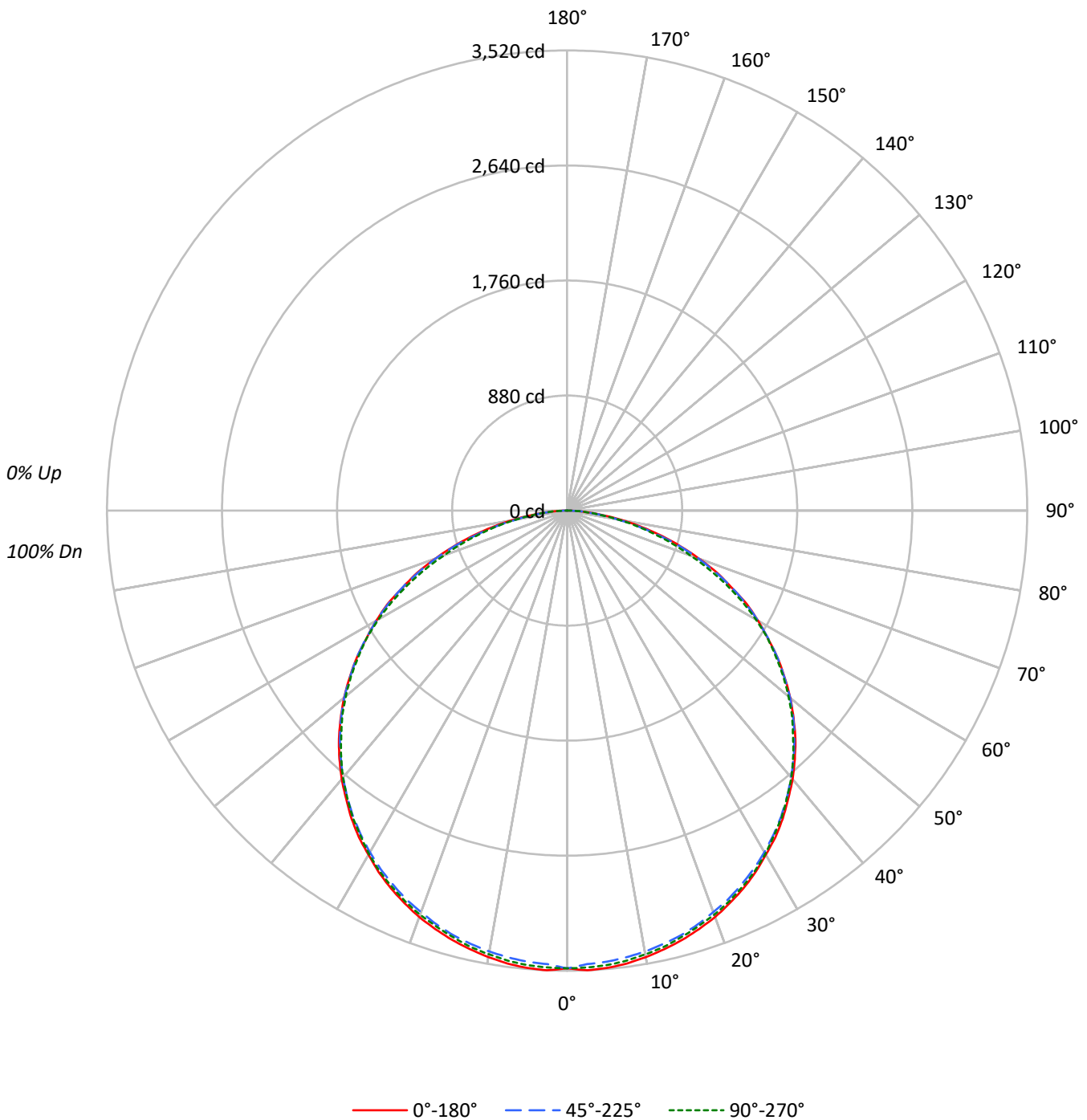
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25		36	30	25		36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28212	28212	28212
5°	28356	26360	25960
10°	28275	24858	23974
15°	28200	23507	22222
20°	28156	22196	20685
25°	28075	20992	19245
30°	27943	19818	17886
35°	27882	18649	16554
40°	27738	17458	15263
45°	27556	16265	13921
50°	27261	14994	12643
55°	26833	13606	11275
60°	26238	12081	9844
65°	25280	10392	8157
70°	23898	8413	6309
75°	21737	6067	4521
80°	17951	3610	2807
85°	11941	1563	1136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.9	3.2
10°-20°	955.3	9.1
20°-30°	1463.6	13.9
30°-40°	1791.5	17.0
40°-50°	1895.8	18.0
50°-60°	1753.4	16.7
60°-70°	1361.6	12.9
70°-80°	766.9	7.3
80°-90°	194.0	1.8
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°	2750.8	26.2
0°-40°	4542.3	43.2
0°-60°	8191.6	77.9
0°-90°	10514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3502	3502	3502	3502	3502	
5°	3512	3498	3465	3498	3491	334
15°	3400	3389	3363	3392	3378	960
25°	3189	3178	3156	3182	3174	1470
35°	2876	2865	2854	2862	2862	1798
45°	2469	2465	2458	2454	2444	1903
55°	1967	1974	1967	1960	1949	1755
65°	1385	1396	1389	1371	1345	1374
75°	753	753	720	702	687	793
85°	160	160	156	156	153	199
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3501.6	3501.6	3501.6	3501.6	3501.6
2.5°	3519.8	3505.2	3472.5	3505.2	3498.0
5°	3512.5	3498.0	3465.2	3498.0	3490.7
7.5°	3494.3	3483.4	3447.1	3479.8	3472.5
10°	3468.9	3458.0	3425.2	3458.0	3447.1
12.5°	3436.2	3425.2	3396.2	3425.2	3418.0
15°	3399.8	3388.9	3363.4	3392.5	3378.0
17.5°	3356.2	3348.9	3319.8	3348.9	3334.3
20°	3308.9	3294.3	3268.9	3298.0	3290.7
22.5°	3250.7	3243.4	3218.0	3243.4	3236.2
25°	3188.9	3178.0	3156.2	3181.6	3174.3
27.5°	3119.8	3112.5	3090.7	3108.9	3108.9
30°	3039.8	3036.2	3018.0	3036.2	3032.5
32.5°	2963.5	2956.2	2938.0	2952.5	2945.3
35°	2876.2	2865.3	2854.4	2861.6	2861.6
37.5°	2778.0	2774.4	2763.5	2774.4	2763.5
40°	2683.5	2676.2	2665.3	2668.9	2668.9
42.5°	2578.0	2574.4	2563.5	2563.5	2559.8
45°	2468.9	2465.3	2458.0	2454.4	2443.5
47.5°	2348.9	2345.3	2345.3	2341.7	2334.4
50°	2229.0	2229.0	2225.3	2214.4	2210.8
52.5°	2098.1	2105.3	2094.4	2087.1	2083.5
55°	1967.2	1974.4	1967.2	1959.9	1949.0
57.5°	1821.7	1836.3	1825.3	1821.7	1818.1
60°	1687.2	1694.4	1687.2	1676.3	1669.0
62.5°	1549.0	1549.0	1538.1	1530.8	1509.0
65°	1385.4	1396.3	1389.0	1370.8	1345.4
67.5°	1239.9	1232.7	1225.4	1203.6	1174.5
70°	1072.7	1076.3	1065.4	1032.7	1003.6
72.5°	912.7	919.9	898.1	854.5	847.2
75°	752.7	752.7	720.0	701.8	687.2
77.5°	589.1	592.7	549.1	545.4	541.8
80°	432.7	440.0	396.3	407.2	403.6
82.5°	294.5	287.3	269.1	269.1	265.4
85°	160.0	160.0	156.4	156.4	152.7
87.5°	61.8	65.5	72.7	80.0	76.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)