

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: P218023

Luminaire Tested: **8TSNLED-LD5-104SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218023
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9897.0 lumens
Efficiency: N/A
Efficacy: 127.9 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

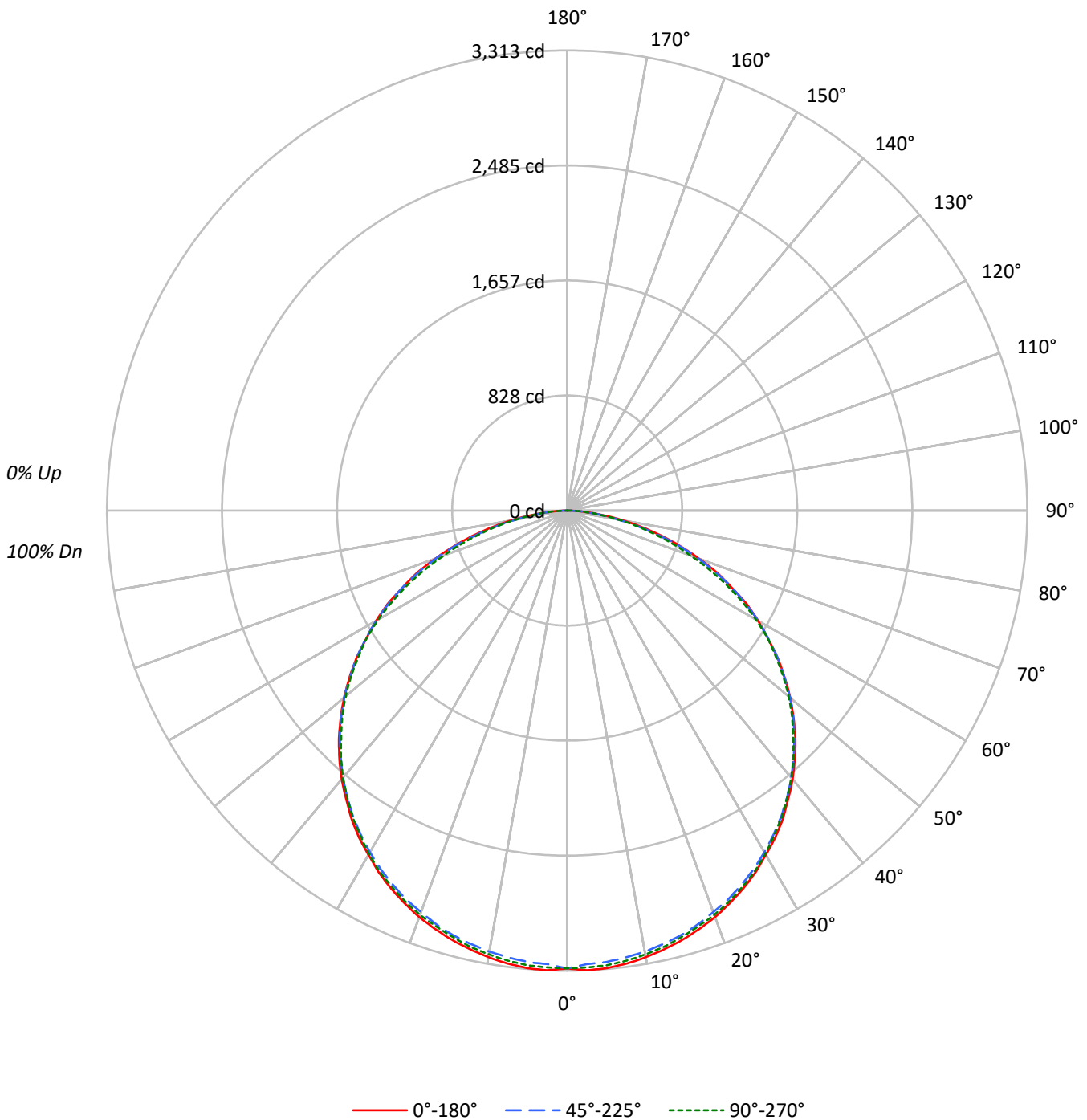
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26556	26556	26556
5°	26692	24814	24436
10°	26616	23399	22567
15°	26545	22128	20917
20°	26504	20893	19471
25°	26428	19760	18116
30°	26303	18655	16836
35°	26245	17554	15583
40°	26110	16433	14367
45°	25939	15311	13104
50°	25661	14114	11901
55°	25257	12807	10613
60°	24699	11373	9266
65°	23796	9782	7678
70°	22495	7919	5938
75°	20461	5711	4256
80°	16897	3398	2642
85°	11240	1471	1069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.4	3.2
10°-20°	899.3	9.1
20°-30°	1377.8	13.9
30°-40°	1686.4	17.0
40°-50°	1784.6	18.0
50°-60°	1650.5	16.7
60°-70°	1281.7	12.9
70°-80°	721.9	7.3
80°-90°	182.6	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°	2589.4	26.2
0°-40°	4275.8	43.2
0°-60°	7710.9	77.9
0°-90°	9897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3296	3296	3296	3296	3296	
5°	3306	3293	3262	3293	3286	314
15°	3200	3190	3166	3193	3180	904
25°	3002	2992	2971	2995	2988	1384
35°	2707	2697	2687	2694	2694	1693
45°	2324	2321	2314	2310	2300	1791
55°	1852	1859	1852	1845	1835	1652
65°	1304	1314	1308	1290	1266	1294
75°	708	708	678	661	647	746
85°	151	151	147	147	144	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3296.1	3296.1	3296.1	3296.1	3296.1
2.5°	3313.2	3299.5	3268.7	3299.5	3292.7
5°	3306.4	3292.7	3261.9	3292.7	3285.8
7.5°	3289.3	3279.0	3244.8	3275.6	3268.7
10°	3265.3	3255.0	3224.2	3255.0	3244.8
12.5°	3234.5	3224.2	3196.9	3224.2	3217.4
15°	3200.3	3190.0	3166.1	3193.4	3179.7
17.5°	3159.2	3152.4	3125.0	3152.4	3138.7
20°	3114.7	3101.0	3077.1	3104.4	3097.6
22.5°	3059.9	3053.1	3029.1	3053.1	3046.3
25°	3001.8	2991.5	2971.0	2994.9	2988.1
27.5°	2936.7	2929.9	2909.3	2926.5	2926.5
30°	2861.4	2858.0	2840.9	2858.0	2854.6
32.5°	2789.5	2782.7	2765.6	2779.3	2772.4
35°	2707.4	2697.1	2686.9	2693.7	2693.7
37.5°	2615.0	2611.6	2601.3	2611.6	2601.3
40°	2526.0	2519.1	2508.9	2512.3	2512.3
42.5°	2426.7	2423.3	2413.0	2413.0	2409.6
45°	2324.1	2320.6	2313.8	2310.4	2300.1
47.5°	2211.1	2207.7	2207.7	2204.3	2197.4
50°	2098.2	2098.2	2094.7	2084.5	2081.0
52.5°	1974.9	1981.8	1971.5	1964.7	1961.2
55°	1851.7	1858.6	1851.7	1844.9	1834.6
57.5°	1714.8	1728.5	1718.2	1714.8	1711.4
60°	1588.2	1595.0	1588.2	1577.9	1571.0
62.5°	1458.1	1458.1	1447.8	1441.0	1420.4
65°	1304.1	1314.3	1307.5	1290.4	1266.4
67.5°	1167.2	1160.3	1153.5	1132.9	1105.6
70°	1009.7	1013.1	1002.9	972.1	944.7
72.5°	859.1	866.0	845.4	804.3	797.5
75°	708.5	708.5	677.7	660.6	646.9
77.5°	554.5	557.9	516.8	513.4	510.0
80°	407.3	414.2	373.1	383.3	379.9
82.5°	277.2	270.4	253.3	253.3	249.9
85°	150.6	150.6	147.2	147.2	143.8
87.5°	58.2	61.6	68.5	75.3	71.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)