

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: P218011

Luminaire Tested: **8TSNLED-LD5-80SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218011
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-LD5-80SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7538.0 lumens
Efficiency: N/A
Efficacy: 136.1 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

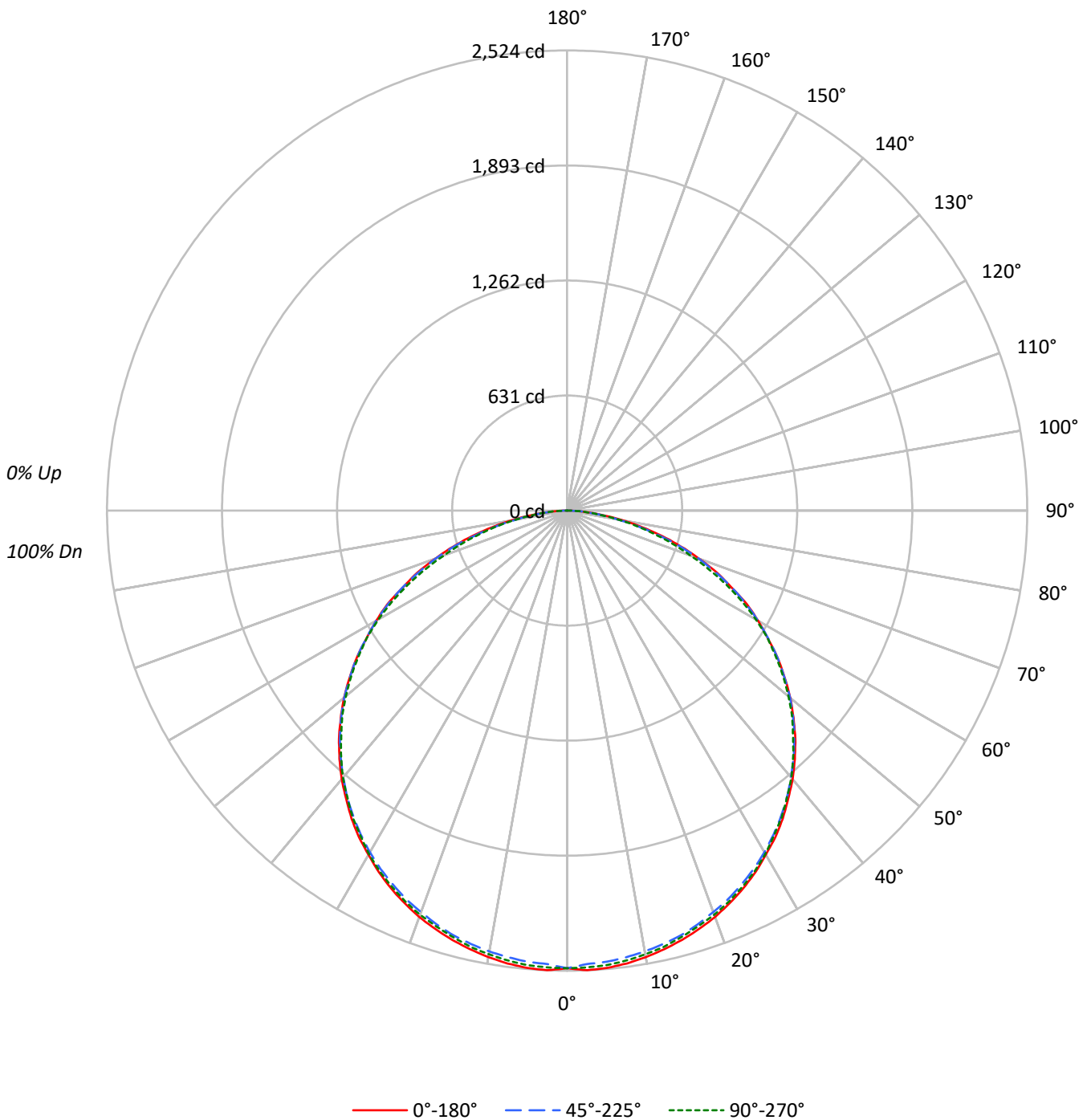
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20227	20227	20227
5°	20330	18899	18612
10°	20272	17822	17188
15°	20218	16854	15931
20°	20186	15913	14831
25°	20129	15050	13797
30°	20034	14208	12823
35°	19990	13370	11869
40°	19886	12516	10943
45°	19756	11662	9981
50°	19543	10749	9064
55°	19236	9754	8083
60°	18811	8661	7058
65°	18123	7450	5848
70°	17132	6031	4523
75°	15583	4350	3241
80°	12869	2589	2013
85°	8561	1120	814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	3.2
10°-20°	684.9	9.1
20°-30°	1049.4	13.9
30°-40°	1284.4	17.0
40°-50°	1359.2	18.0
50°-60°	1257.1	16.7
60°-70°	976.2	12.9
70°-80°	549.8	7.3
80°-90°	139.1	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°	1972.2	26.2
0°-40°	3256.6	43.2
0°-60°	5872.9	77.9
0°-90°	7538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2510	2510	2510	2510	2510	
5°	2518	2508	2484	2508	2503	239
15°	2438	2430	2411	2432	2422	688
25°	2286	2278	2263	2281	2276	1054
35°	2062	2054	2046	2052	2052	1289
45°	1770	1768	1762	1760	1752	1364
55°	1410	1416	1410	1405	1397	1258
65°	993	1001	996	983	965	985
75°	540	540	516	503	493	568
85°	115	115	112	112	110	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2510.5	2510.5	2510.5	2510.5	2510.5
2.5°	2523.5	2513.1	2489.6	2513.1	2507.9
5°	2518.3	2507.9	2484.4	2507.9	2502.6
7.5°	2505.3	2497.4	2471.4	2494.8	2489.6
10°	2487.0	2479.2	2455.7	2479.2	2471.4
12.5°	2463.5	2455.7	2434.9	2455.7	2450.5
15°	2437.5	2429.7	2411.4	2432.3	2421.8
17.5°	2406.2	2401.0	2380.1	2401.0	2390.6
20°	2372.3	2361.9	2343.6	2364.5	2359.3
22.5°	2330.6	2325.4	2307.1	2325.4	2320.2
25°	2286.3	2278.5	2262.8	2281.1	2275.8
27.5°	2236.7	2231.5	2215.9	2228.9	2228.9
30°	2179.4	2176.8	2163.7	2176.8	2174.2
32.5°	2124.6	2119.4	2106.4	2116.8	2111.6
35°	2062.1	2054.3	2046.4	2051.7	2051.7
37.5°	1991.7	1989.1	1981.3	1989.1	1981.3
40°	1923.9	1918.7	1910.9	1913.5	1913.5
42.5°	1848.3	1845.7	1837.9	1837.9	1835.3
45°	1770.1	1767.5	1762.3	1759.7	1751.9
47.5°	1684.1	1681.5	1681.5	1678.9	1673.6
50°	1598.0	1598.0	1595.4	1587.6	1585.0
52.5°	1504.2	1509.4	1501.6	1496.4	1493.8
55°	1410.3	1415.6	1410.3	1405.1	1397.3
57.5°	1306.1	1316.5	1308.7	1306.1	1303.5
60°	1209.6	1214.8	1209.6	1201.8	1196.6
62.5°	1110.6	1110.6	1102.7	1097.5	1081.9
65°	993.2	1001.1	995.8	982.8	964.6
67.5°	889.0	883.7	878.5	862.9	842.0
70°	769.0	771.7	763.8	740.4	719.5
72.5°	654.3	659.6	643.9	612.6	607.4
75°	539.6	539.6	516.2	503.1	492.7
77.5°	422.3	424.9	393.6	391.0	388.4
80°	310.2	315.4	284.2	292.0	289.4
82.5°	211.2	205.9	192.9	192.9	190.3
85°	114.7	114.7	112.1	112.1	109.5
87.5°	44.3	46.9	52.1	57.4	54.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)