

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: P218012

Luminaire Tested: **8TSNLED-LD5-80SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218012
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8008.0 lumens
Efficiency: N/A
Efficacy: 144.6 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

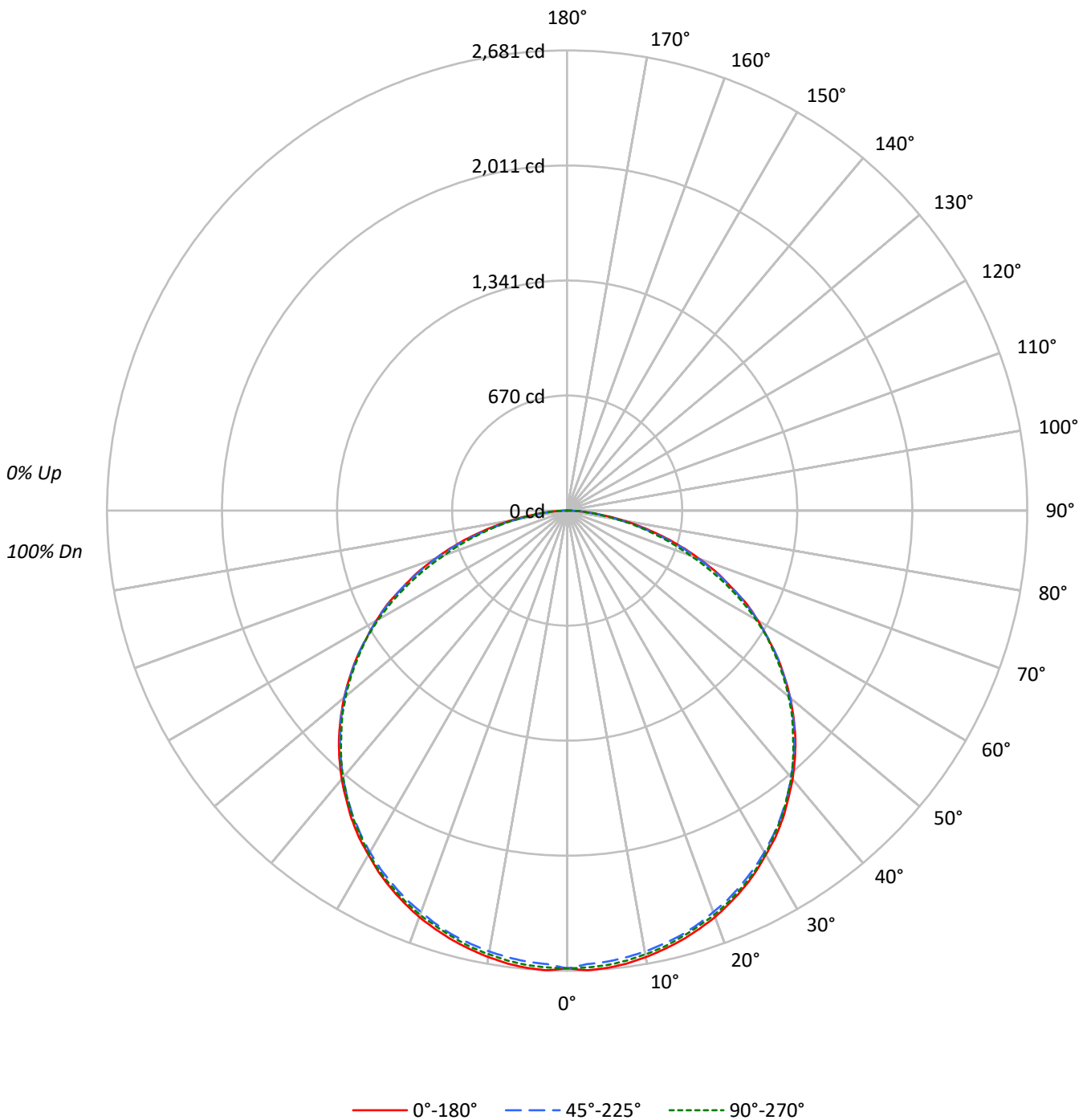
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21488	21488	21488
5°	21597	20078	19773
10°	21536	18933	18260
15°	21479	17905	16925
20°	21445	16906	15755
25°	21383	15988	14658
30°	21283	15094	13623
35°	21236	14203	12609
40°	21127	13296	11625
45°	20988	12389	10603
50°	20763	11420	9629
55°	20437	10363	8587
60°	19983	9201	7498
65°	19254	7915	6212
70°	18202	6408	4805
75°	16556	4621	3443
80°	13674	2750	2138
85°	9098	1190	865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	3.2
10°-20°	727.6	9.1
20°-30°	1114.8	13.9
30°-40°	1364.5	17.0
40°-50°	1444.0	18.0
50°-60°	1335.5	16.7
60°-70°	1037.0	12.9
70°-80°	584.1	7.3
80°-90°	147.7	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°	2095.2	26.2
0°-40°	3459.7	43.2
0°-60°	6239.1	77.9
0°-90°	8008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2667	2667	2667	2667	2667	
5°	2675	2664	2639	2664	2659	254
15°	2590	2581	2562	2584	2573	731
25°	2429	2420	2404	2423	2418	1120
35°	2191	2182	2174	2180	2180	1370
45°	1880	1878	1872	1869	1861	1449
55°	1498	1504	1498	1493	1484	1337
65°	1055	1064	1058	1044	1025	1047
75°	573	573	548	534	523	604
85°	122	122	119	119	116	152
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2667.0	2667.0	2667.0	2667.0	2667.0
2.5°	2680.8	2669.8	2644.8	2669.8	2664.2
5°	2675.3	2664.2	2639.3	2664.2	2658.7
7.5°	2661.5	2653.2	2625.5	2650.4	2644.8
10°	2642.1	2633.8	2608.8	2633.8	2625.5
12.5°	2617.1	2608.8	2586.7	2608.8	2603.3
15°	2589.5	2581.1	2561.8	2583.9	2572.8
17.5°	2556.2	2550.7	2528.5	2550.7	2539.6
20°	2520.2	2509.1	2489.8	2511.9	2506.4
22.5°	2475.9	2470.4	2451.0	2470.4	2464.8
25°	2428.8	2420.5	2403.9	2423.3	2417.7
27.5°	2376.2	2370.7	2354.0	2367.9	2367.9
30°	2315.3	2312.5	2298.7	2312.5	2309.7
32.5°	2257.1	2251.6	2237.7	2248.8	2243.3
35°	2190.7	2182.3	2174.0	2179.6	2179.6
37.5°	2115.9	2113.1	2104.8	2113.1	2104.8
40°	2043.9	2038.3	2030.0	2032.8	2032.8
42.5°	1963.6	1960.8	1952.5	1952.5	1949.7
45°	1880.5	1877.7	1872.2	1869.4	1861.1
47.5°	1789.1	1786.3	1786.3	1783.5	1778.0
50°	1697.7	1697.7	1694.9	1686.6	1683.8
52.5°	1598.0	1603.5	1595.2	1589.7	1586.9
55°	1498.3	1503.8	1498.3	1492.7	1484.4
57.5°	1387.5	1398.6	1390.3	1387.5	1384.7
60°	1285.0	1290.6	1285.0	1276.7	1271.2
62.5°	1179.8	1179.8	1171.5	1165.9	1149.3
65°	1055.2	1063.5	1057.9	1044.1	1024.7
67.5°	944.4	938.9	933.3	916.7	894.5
70°	817.0	819.8	811.5	786.5	764.4
72.5°	695.1	700.7	684.1	650.8	645.3
75°	573.3	573.3	548.4	534.5	523.4
77.5°	448.7	451.4	418.2	415.4	412.7
80°	329.6	335.1	301.9	310.2	307.4
82.5°	224.3	218.8	204.9	204.9	202.2
85°	121.9	121.9	119.1	119.1	116.3
87.5°	47.1	49.9	55.4	60.9	58.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)