

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: P218020

Luminaire Tested: **8TSNLED-LD5-96SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218020
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-LD5-96SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9632.0 lumens
Efficiency: N/A
Efficacy: 139.2 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

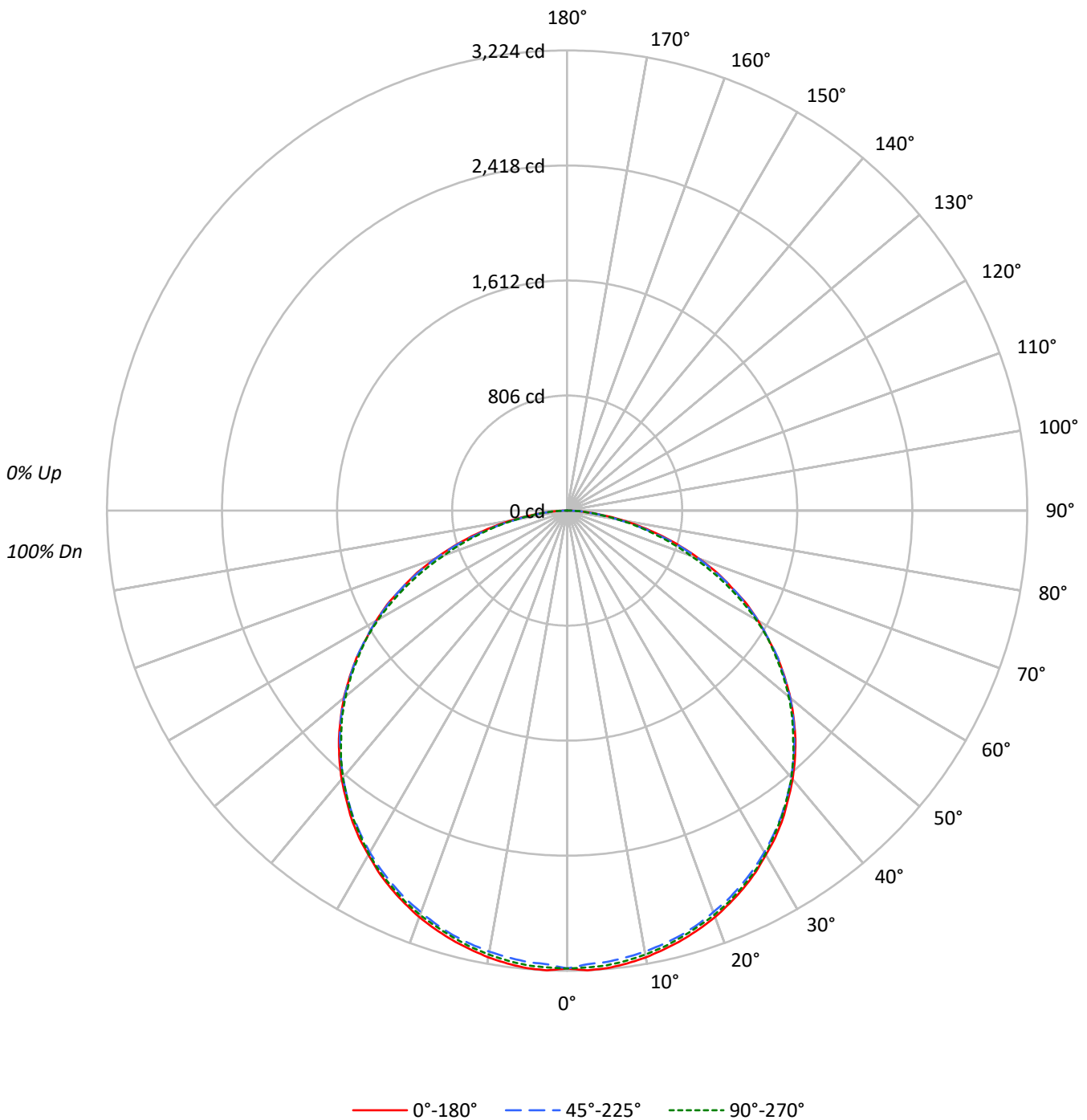
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25845	25845	25845
5°	25978	24149	23783
10°	25903	22773	21963
15°	25834	21536	20357
20°	25794	20334	18950
25°	25720	19231	17631
30°	25599	18155	16385
35°	25542	17084	15166
40°	25411	15993	13982
45°	25244	14901	12753
50°	24974	13736	11582
55°	24581	12464	10329
60°	24036	11067	9018
65°	23159	9521	7472
70°	21893	7707	5779
75°	19912	5558	4142
80°	16445	3307	2572
85°	10941	1431	1040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.0	3.2
10°-20°	875.2	9.1
20°-30°	1340.9	13.9
30°-40°	1641.2	17.0
40°-50°	1736.8	18.0
50°-60°	1606.3	16.7
60°-70°	1247.3	12.9
70°-80°	702.6	7.3
80°-90°	177.7	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°	2520.1	26.2
0°-40°	4161.3	43.2
0°-60°	7504.4	77.9
0°-90°	9632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3208	3208	3208	3208	3208	
5°	3218	3204	3174	3204	3198	306
15°	3115	3105	3081	3108	3095	880
25°	2921	2911	2891	2915	2908	1347
35°	2635	2625	2615	2622	2622	1648
45°	2262	2258	2252	2248	2238	1743
55°	1802	1809	1802	1796	1786	1608
65°	1269	1279	1272	1256	1232	1259
75°	690	690	660	643	630	726
85°	147	147	143	143	140	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3207.9	3207.9	3207.9	3207.9	3207.9
2.5°	3224.5	3211.2	3181.2	3211.2	3204.5
5°	3217.9	3204.5	3174.5	3204.5	3197.9
7.5°	3201.2	3191.2	3157.9	3187.9	3181.2
10°	3177.9	3167.9	3137.9	3167.9	3157.9
12.5°	3147.9	3137.9	3111.3	3137.9	3131.2
15°	3114.6	3104.6	3081.3	3107.9	3094.6
17.5°	3074.6	3068.0	3041.3	3068.0	3054.6
20°	3031.3	3018.0	2994.7	3021.3	3014.7
22.5°	2978.0	2971.4	2948.0	2971.4	2964.7
25°	2921.4	2911.4	2891.4	2914.7	2908.1
27.5°	2858.1	2851.4	2831.4	2848.1	2848.1
30°	2784.8	2781.5	2764.8	2781.5	2778.1
32.5°	2714.9	2708.2	2691.5	2704.9	2698.2
35°	2634.9	2624.9	2614.9	2621.6	2621.6
37.5°	2545.0	2541.6	2531.6	2541.6	2531.6
40°	2458.4	2451.7	2441.7	2445.0	2445.0
42.5°	2361.8	2358.4	2348.4	2348.4	2345.1
45°	2261.8	2258.5	2251.8	2248.5	2238.5
47.5°	2151.9	2148.6	2148.6	2145.2	2138.6
50°	2042.0	2042.0	2038.6	2028.6	2025.3
52.5°	1922.1	1928.7	1918.7	1912.1	1908.7
55°	1802.1	1808.8	1802.1	1795.5	1785.5
57.5°	1668.9	1682.2	1672.2	1668.9	1665.6
60°	1545.6	1552.3	1545.6	1535.6	1529.0
62.5°	1419.1	1419.1	1409.1	1402.4	1382.4
65°	1269.2	1279.1	1272.5	1255.8	1232.5
67.5°	1135.9	1129.2	1122.6	1102.6	1075.9
70°	982.7	986.0	976.0	946.0	919.4
72.5°	836.1	842.8	822.8	782.8	776.1
75°	689.5	689.5	659.6	642.9	629.6
77.5°	539.6	543.0	503.0	499.7	496.3
80°	396.4	403.1	363.1	373.1	369.8
82.5°	269.8	263.2	246.5	246.5	243.2
85°	146.6	146.6	143.2	143.2	139.9
87.5°	56.6	60.0	66.6	73.3	70.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)