

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: P218014

Luminaire Tested: **8TSNLED-LD5-80SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218014
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8836.0 lumens
Efficiency: N/A
Efficacy: 159.6 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

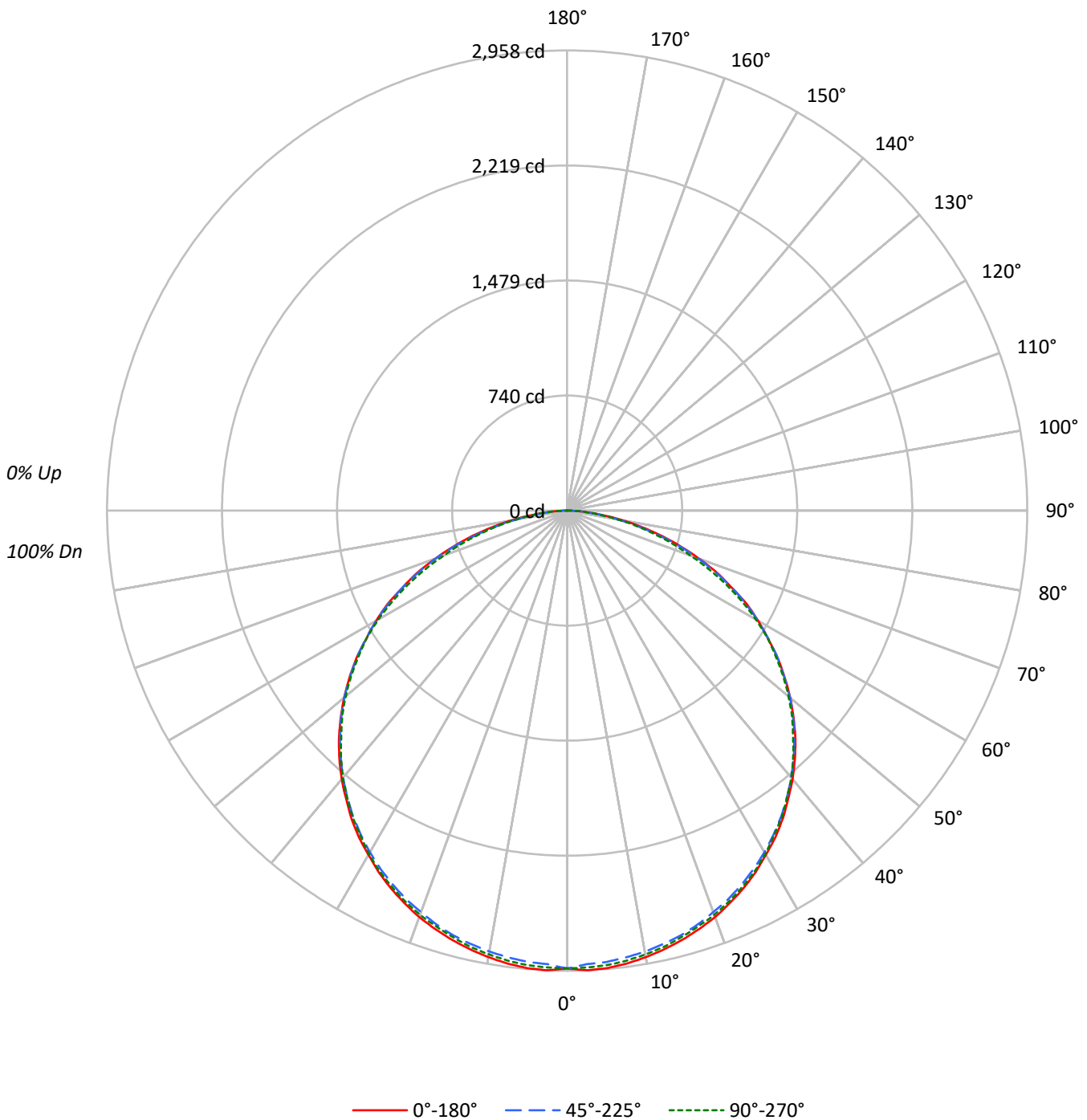
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23710	23710	23710
5°	23830	22154	21817
10°	23763	20891	20147
15°	23699	19756	18675
20°	23662	18653	17384
25°	23595	17642	16173
30°	23484	16655	15032
35°	23432	15672	13912
40°	23311	14671	12827
45°	23158	13669	11699
50°	22909	12601	10625
55°	22550	11434	9475
60°	22050	10153	8273
65°	21245	8734	6855
70°	20084	7070	5302
75°	18269	5099	3800
80°	15084	3034	2359
85°	10038	1313	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	3.2
10°-20°	802.8	9.1
20°-30°	1230.1	13.9
30°-40°	1505.6	17.0
40°-50°	1593.3	18.0
50°-60°	1473.6	16.7
60°-70°	1144.2	12.9
70°-80°	644.5	7.3
80°-90°	163.0	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°	2311.8	26.2
0°-40°	3817.4	43.2
0°-60°	6884.2	77.9
0°-90°	8836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2943	2943	2943	2943	2943	
5°	2952	2940	2912	2940	2934	281
15°	2857	2848	2827	2851	2839	807
25°	2680	2671	2652	2674	2668	1235
35°	2417	2408	2399	2405	2405	1511
45°	2075	2072	2066	2063	2054	1599
55°	1653	1659	1653	1647	1638	1475
65°	1164	1173	1167	1152	1131	1155
75°	633	633	605	590	578	666
85°	134	134	131	131	128	167
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2942.8	2942.8	2942.8	2942.8	2942.8
2.5°	2958.0	2945.8	2918.3	2945.8	2939.7
5°	2951.9	2939.7	2912.2	2939.7	2933.6
7.5°	2936.6	2927.5	2896.9	2924.4	2918.3
10°	2915.3	2906.1	2878.6	2906.1	2896.9
12.5°	2887.8	2878.6	2854.1	2878.6	2872.5
15°	2857.2	2848.0	2826.6	2851.1	2838.9
17.5°	2820.5	2814.4	2790.0	2814.4	2802.2
20°	2780.8	2768.6	2747.2	2771.6	2765.5
22.5°	2731.9	2725.8	2704.4	2725.8	2719.7
25°	2680.0	2670.8	2652.5	2673.8	2667.7
27.5°	2621.9	2615.8	2597.4	2612.7	2612.7
30°	2554.7	2551.6	2536.3	2551.6	2548.6
32.5°	2490.5	2484.4	2469.1	2481.3	2475.2
35°	2417.2	2408.0	2398.8	2404.9	2404.9
37.5°	2334.6	2331.6	2322.4	2331.6	2322.4
40°	2255.2	2249.1	2239.9	2243.0	2243.0
42.5°	2166.6	2163.5	2154.4	2154.4	2151.3
45°	2074.9	2071.8	2065.7	2062.7	2053.5
47.5°	1974.1	1971.0	1971.0	1968.0	1961.8
50°	1873.2	1873.2	1870.2	1861.0	1857.9
52.5°	1763.2	1769.3	1760.2	1754.0	1751.0
55°	1653.2	1659.3	1653.2	1647.1	1637.9
57.5°	1531.0	1543.2	1534.0	1531.0	1527.9
60°	1417.9	1424.0	1417.9	1408.7	1402.6
62.5°	1301.8	1301.8	1292.6	1286.5	1268.2
65°	1164.3	1173.4	1167.3	1152.0	1130.7
67.5°	1042.0	1035.9	1029.8	1011.5	987.0
70°	901.5	904.5	895.4	867.9	843.4
72.5°	767.0	773.1	754.8	718.1	712.0
75°	632.6	632.6	605.1	589.8	577.6
77.5°	495.0	498.1	461.4	458.4	455.3
80°	363.6	369.8	333.1	342.3	339.2
82.5°	247.5	241.4	226.1	226.1	223.1
85°	134.5	134.5	131.4	131.4	128.3
87.5°	51.9	55.0	61.1	67.2	64.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)