

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: P218016

Luminaire Tested: **8TSNLED-LD5-88SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218016
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-LD5-88SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8718.0 lumens
Efficiency: N/A
Efficacy: 142.5 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

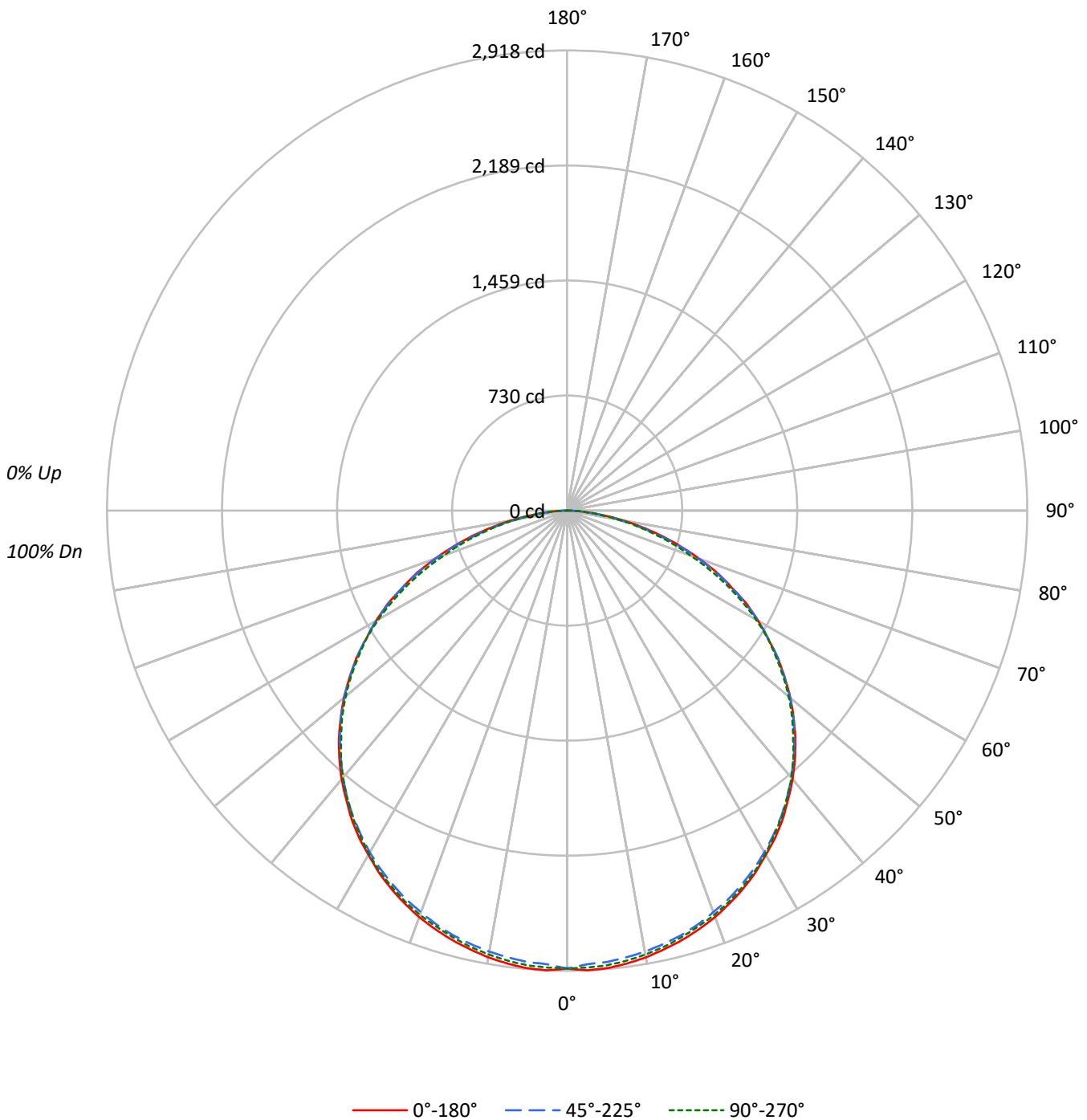
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23393	23393	23393
5°	23512	21858	21526
10°	23445	20612	19878
15°	23383	19492	18425
20°	23347	18404	17152
25°	23280	17405	15958
30°	23170	16433	14831
35°	23119	15463	13726
40°	22999	14475	12656
45°	22849	13487	11543
50°	22603	12433	10483
55°	22248	11281	9348
60°	21756	10018	8162
65°	20961	8617	6764
70°	19815	6975	5231
75°	18024	5031	3748
80°	14885	2993	2328
85°	9904	1295	942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.2	3.2
10°-20°	792.1	9.1
20°-30°	1213.6	13.9
30°-40°	1485.5	17.0
40°-50°	1572.0	18.0
50°-60°	1453.9	16.7
60°-70°	1129.0	12.9
70°-80°	635.9	7.3
80°-90°	160.8	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°	2280.9	26.2
0°-40°	3766.4	43.2
0°-60°	6792.3	77.9
0°-90°	8718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8718.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2904	2904	2904	2904	2904	
5°	2912	2900	2873	2900	2894	277
15°	2819	2810	2789	2813	2801	796
25°	2644	2635	2617	2638	2632	1219
35°	2385	2376	2367	2373	2373	1491
45°	2047	2044	2038	2035	2026	1578
55°	1631	1637	1631	1625	1616	1455
65°	1149	1158	1152	1137	1116	1140
75°	624	624	597	582	570	657
85°	133	133	130	130	127	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2903.5	2903.5	2903.5	2903.5	2903.5
2.5°	2918.5	2906.5	2879.3	2906.5	2900.4
5°	2912.5	2900.4	2873.3	2900.4	2894.4
7.5°	2897.4	2888.4	2858.2	2885.4	2879.3
10°	2876.3	2867.3	2840.1	2867.3	2858.2
12.5°	2849.2	2840.1	2816.0	2840.1	2834.1
15°	2819.0	2810.0	2788.9	2813.0	2800.9
17.5°	2782.9	2776.8	2752.7	2776.8	2764.8
20°	2743.7	2731.6	2710.5	2734.6	2728.6
22.5°	2695.4	2689.4	2668.3	2689.4	2683.4
25°	2644.2	2635.1	2617.0	2638.1	2632.1
27.5°	2586.9	2580.9	2562.8	2577.8	2577.8
30°	2520.6	2517.5	2502.5	2517.5	2514.5
32.5°	2457.2	2451.2	2436.1	2448.2	2442.2
35°	2384.9	2375.8	2366.8	2372.8	2372.8
37.5°	2303.5	2300.5	2291.4	2300.5	2291.4
40°	2225.1	2219.1	2210.0	2213.0	2213.0
42.5°	2137.6	2134.6	2125.6	2125.6	2122.6
45°	2047.2	2044.2	2038.1	2035.1	2026.1
47.5°	1947.7	1944.7	1944.7	1941.7	1935.6
50°	1848.2	1848.2	1845.2	1836.1	1833.1
52.5°	1739.7	1745.7	1736.6	1730.6	1727.6
55°	1631.1	1637.2	1631.1	1625.1	1616.0
57.5°	1510.5	1522.6	1513.5	1510.5	1507.5
60°	1399.0	1405.0	1399.0	1389.9	1383.9
62.5°	1284.4	1284.4	1275.4	1269.3	1251.2
65°	1148.7	1157.8	1151.7	1136.7	1115.6
67.5°	1028.1	1022.1	1016.1	998.0	973.8
70°	889.4	892.4	883.4	856.3	832.1
72.5°	756.8	762.8	744.7	708.5	702.5
75°	624.1	624.1	597.0	581.9	569.8
77.5°	488.4	491.4	455.3	452.3	449.2
80°	358.8	364.8	328.6	337.7	334.7
82.5°	244.2	238.2	223.1	223.1	220.1
85°	132.7	132.7	129.6	129.6	126.6
87.5°	51.3	54.3	60.3	66.3	63.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)