

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: P218013

Luminaire Tested: **8TSNLED-LD5-80SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218013
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8168.0 lumens
Efficiency: N/A
Efficacy: 147.5 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

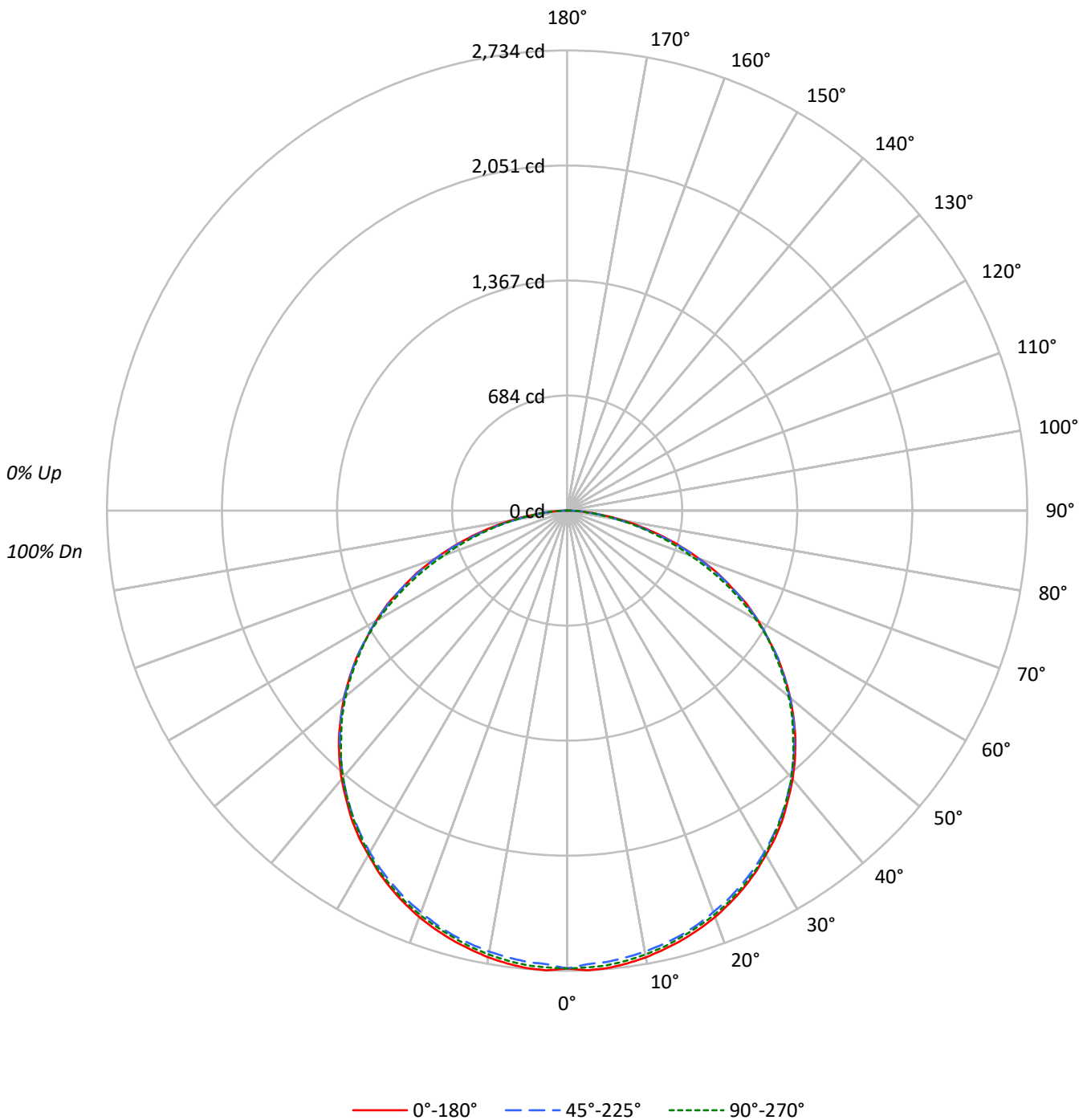
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21917	21917	21917
5°	22029	20478	20168
10°	21966	19312	18624
15°	21908	18262	17263
20°	21874	17243	16069
25°	21811	16307	14951
30°	21708	15396	13895
35°	21660	14488	12860
40°	21548	13562	11857
45°	21407	12636	10815
50°	21177	11648	9822
55°	20845	10570	8759
60°	20383	9385	7647
65°	19639	8074	6337
70°	18565	6536	4901
75°	16886	4713	3512
80°	13948	2804	2181
85°	9277	1214	882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	3.2
10°-20°	742.1	9.1
20°-30°	1137.1	13.9
30°-40°	1391.8	17.0
40°-50°	1472.8	18.0
50°-60°	1362.2	16.7
60°-70°	1057.8	12.9
70°-80°	595.8	7.3
80°-90°	150.7	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°	2137.0	26.2
0°-40°	3528.8	43.2
0°-60°	6363.8	77.9
0°-90°	8168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2720	2720	2720	2720	2720	
5°	2729	2718	2692	2718	2712	259
15°	2641	2633	2613	2636	2624	746
25°	2477	2469	2452	2472	2466	1142
35°	2234	2226	2218	2223	2223	1397
45°	1918	1915	1910	1907	1898	1478
55°	1528	1534	1528	1523	1514	1363
65°	1076	1085	1079	1065	1045	1068
75°	585	585	559	545	534	616
85°	124	124	122	122	119	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2720.3	2720.3	2720.3	2720.3	2720.3
2.5°	2734.4	2723.1	2697.7	2723.1	2717.5
5°	2728.8	2717.5	2692.0	2717.5	2711.8
7.5°	2714.6	2706.2	2677.9	2703.3	2697.7
10°	2694.9	2686.4	2661.0	2686.4	2677.9
12.5°	2669.4	2661.0	2638.4	2661.0	2655.3
15°	2641.2	2632.7	2612.9	2635.5	2624.2
17.5°	2607.3	2601.6	2579.0	2601.6	2590.3
20°	2570.6	2559.3	2539.5	2562.1	2556.4
22.5°	2525.4	2519.7	2500.0	2519.7	2514.1
25°	2477.4	2468.9	2451.9	2471.7	2466.1
27.5°	2423.7	2418.0	2401.1	2415.2	2415.2
30°	2361.5	2358.7	2344.6	2358.7	2355.9
32.5°	2302.2	2296.6	2282.4	2293.7	2288.1
35°	2234.4	2225.9	2217.5	2223.1	2223.1
37.5°	2158.2	2155.3	2146.9	2155.3	2146.9
40°	2084.7	2079.1	2070.6	2073.4	2073.4
42.5°	2002.8	2000.0	1991.5	1991.5	1988.7
45°	1918.0	1915.2	1909.6	1906.7	1898.3
47.5°	1824.8	1822.0	1822.0	1819.2	1813.5
50°	1731.6	1731.6	1728.8	1720.3	1717.5
52.5°	1629.9	1635.6	1627.1	1621.4	1618.6
55°	1528.2	1533.9	1528.2	1522.6	1514.1
57.5°	1415.2	1426.5	1418.1	1415.2	1412.4
60°	1310.7	1316.4	1310.7	1302.2	1296.6
62.5°	1203.4	1203.4	1194.9	1189.2	1172.3
65°	1076.3	1084.7	1079.1	1065.0	1045.2
67.5°	963.3	957.6	952.0	935.0	912.4
70°	833.3	836.1	827.7	802.2	779.6
72.5°	709.0	714.7	697.7	663.8	658.2
75°	584.7	584.7	559.3	545.2	533.9
77.5°	457.6	460.4	426.5	423.7	420.9
80°	336.2	341.8	307.9	316.4	313.6
82.5°	228.8	223.2	209.0	209.0	206.2
85°	124.3	124.3	121.5	121.5	118.6
87.5°	48.0	50.8	56.5	62.1	59.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)