

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: P218587

Luminaire Tested: **4SNLED-LD5-50SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-50SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6006.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

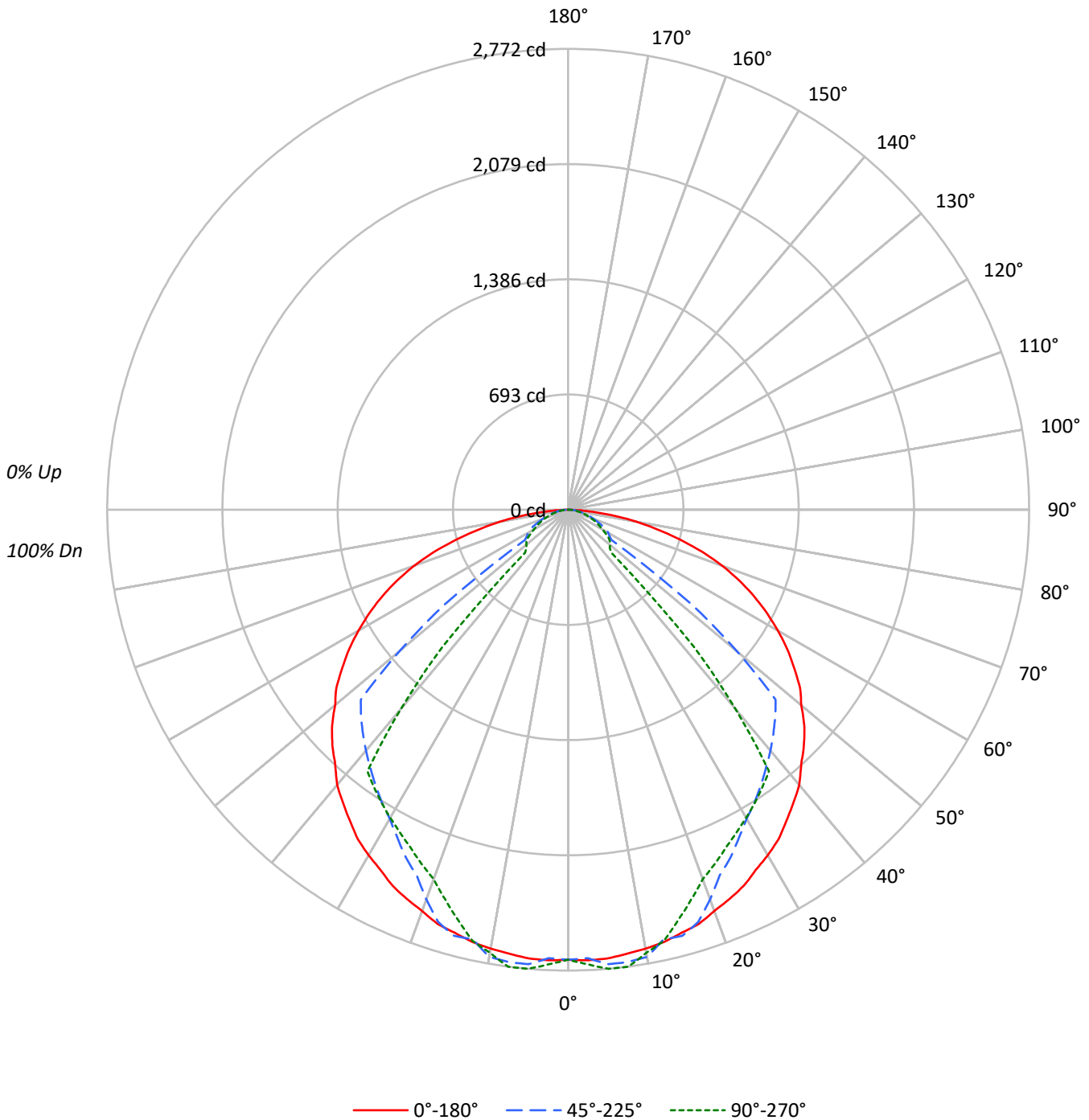
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43615	43615	43615
5°	43672	41702	41236
10°	43556	39559	37649
15°	43464	36968	33633
20°	43390	33719	29735
25°	43544	30554	27197
30°	43599	28014	25239
35°	43708	26222	23560
40°	43930	24598	17951
45°	43857	23103	4176
50°	43689	17689	3762
55°	43936	4332	3443
60°	43780	3948	2809
65°	43194	3334	2317
70°	41576	2586	1812
75°	37463	1925	1318
80°	31025	1292	828
85°	18423	738	373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	4.4
10°-20°	740.7	12.3
20°-30°	1090.9	18.2
30°-40°	1313.1	21.9
40°-50°	1124.6	18.7
50°-60°	727.7	12.1
60°-70°	483.7	8.1
70°-80°	206.4	3.4
80°-90°	57.7	1.0
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°	2092.9	34.8
0°-40°	3406.0	56.7
0°-60°	5258.3	87.5
0°-90°	6006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2707	2707	2707	2707	2707	
5°	2710	2719	2744	2776	2772	258
15°	2635	2707	2653	2597	2556	745
25°	2497	2512	2309	2259	2243	1150
35°	2287	2199	2021	2036	2036	1433
45°	2005	1782	1761	1074	366	1546
55°	1657	1407	316	301	298	1482
65°	1234	887	226	194	191	1217
75°	696	163	116	103	100	737
85°	147	44	38	28	25	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2706.7	2706.7	2706.7	2706.7	2706.7
2.5°	2712.9	2703.5	2700.4	2734.9	2738.0
5°	2709.8	2719.2	2744.3	2775.6	2772.4
7.5°	2694.1	2725.5	2744.3	2791.2	2772.4
10°	2681.6	2738.0	2731.7	2734.9	2706.7
12.5°	2662.8	2716.1	2647.1	2694.1	2656.5
15°	2634.6	2706.7	2653.4	2597.0	2556.3
17.5°	2612.7	2687.9	2600.1	2465.4	2459.2
20°	2568.8	2609.5	2493.6	2396.5	2365.2
22.5°	2534.4	2581.4	2380.9	2315.1	2305.7
25°	2496.8	2512.4	2308.8	2258.7	2243.0
27.5°	2443.5	2474.8	2224.2	2199.2	2189.8
30°	2399.7	2399.7	2145.9	2145.9	2139.6
32.5°	2352.7	2299.4	2086.4	2089.5	2089.5
35°	2286.9	2199.2	2020.6	2036.3	2036.3
37.5°	2224.2	2077.0	1954.8	1979.9	1983.0
40°	2161.6	1983.0	1892.2	1920.3	1569.5
42.5°	2073.9	1879.6	1826.4	1478.6	1118.4
45°	2004.9	1782.5	1760.6	1074.5	366.5
47.5°	1926.6	1688.5	1691.7	341.5	338.3
50°	1829.5	1591.4	1325.1	322.7	328.9
52.5°	1757.4	1503.7	933.5	313.3	316.4
55°	1657.2	1406.6	316.4	300.7	297.6
57.5°	1563.2	1315.7	294.5	278.8	266.3
60°	1456.7	1218.6	278.8	247.5	238.1
62.5°	1347.1	1121.5	256.9	219.3	213.0
65°	1234.3	886.6	225.6	194.2	191.1
67.5°	1115.2	582.7	191.1	172.3	169.2
70°	983.7	228.7	166.0	150.4	144.1
72.5°	845.8	197.4	141.0	128.4	122.2
75°	695.5	162.9	115.9	103.4	100.2
77.5°	554.5	122.2	94.0	81.5	78.3
80°	413.5	90.8	72.1	62.7	59.5
82.5°	281.9	65.8	53.3	43.9	40.7
85°	147.2	43.9	37.6	28.2	25.1
87.5°	56.4	28.2	21.9	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)