

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: P218585

Luminaire Tested: **4SNLED-LD5-50SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218585
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5443.0 lumens
Efficiency: N/A
Efficacy: 127.2 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

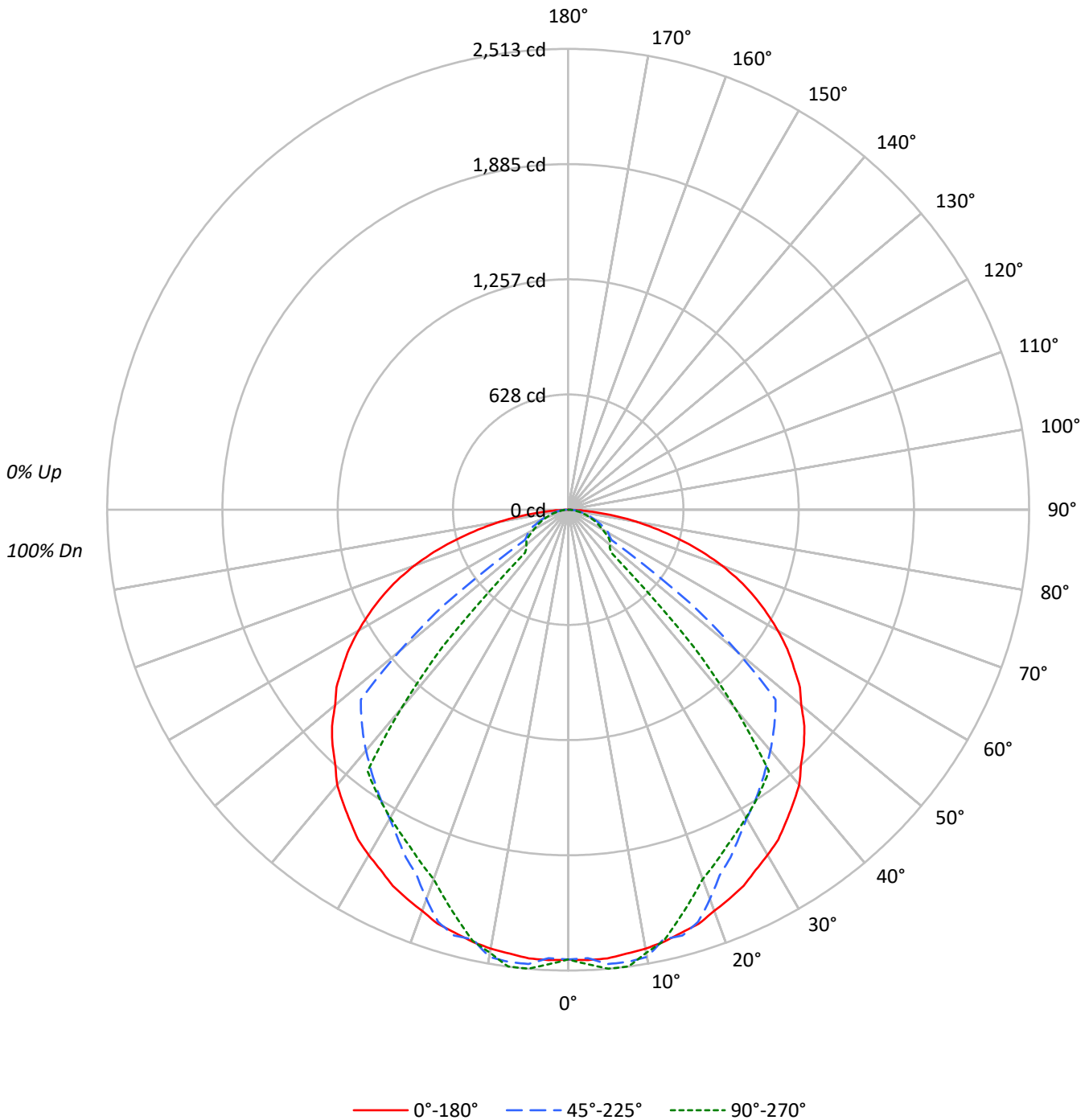
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39525	39525	39525
5°	39578	37792	37372
10°	39473	35851	34119
15°	39389	33503	30480
20°	39323	30559	26948
25°	39461	27690	24648
30°	39511	25387	22874
35°	39610	23764	21351
40°	39811	22292	16269
45°	39747	20936	3785
50°	39593	16031	3410
55°	39819	3925	3120
60°	39677	3578	2546
65°	39145	3021	2100
70°	37679	2345	1642
75°	33951	1744	1195
80°	28121	1170	750
85°	16696	669	338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	4.4
10°-20°	671.3	12.3
20°-30°	988.7	18.2
30°-40°	1190.0	21.9
40°-50°	1019.2	18.7
50°-60°	659.5	12.1
60°-70°	438.4	8.1
70°-80°	187.0	3.4
80°-90°	52.3	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°	1896.7	34.8
0°-40°	3086.7	56.7
0°-60°	4765.3	87.5
0°-90°	5443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2453	2453	2453	2453	2453	
5°	2456	2464	2487	2515	2513	233
15°	2388	2453	2405	2354	2317	675
25°	2263	2277	2092	2047	2033	1042
35°	2072	1993	1831	1845	1845	1299
45°	1817	1615	1596	974	332	1401
55°	1502	1275	287	272	270	1343
65°	1119	804	204	176	173	1103
75°	630	148	105	94	91	668
85°	133	40	34	26	23	171
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2452.9	2452.9	2452.9	2452.9	2452.9
2.5°	2458.6	2450.1	2447.3	2478.5	2481.3
5°	2455.8	2464.3	2487.0	2515.4	2512.6
7.5°	2441.6	2470.0	2487.0	2529.6	2512.6
10°	2430.2	2481.3	2475.7	2478.5	2452.9
12.5°	2413.2	2461.5	2399.0	2441.6	2407.5
15°	2387.6	2452.9	2404.7	2353.6	2316.7
17.5°	2367.8	2435.9	2356.4	2234.3	2228.7
20°	2328.0	2364.9	2259.9	2171.9	2143.5
22.5°	2296.8	2339.4	2157.7	2098.1	2089.5
25°	2262.7	2276.9	2092.4	2047.0	2032.8
27.5°	2214.5	2242.8	2015.7	1993.0	1984.5
30°	2174.7	2174.7	1944.7	1944.7	1939.1
32.5°	2132.1	2083.9	1890.8	1893.6	1893.6
35°	2072.5	1993.0	1831.2	1845.4	1845.4
37.5°	2015.7	1882.3	1771.6	1794.3	1797.1
40°	1958.9	1797.1	1714.8	1740.3	1422.4
42.5°	1879.5	1703.4	1655.2	1340.0	1013.5
45°	1817.0	1615.4	1595.5	973.8	332.2
47.5°	1746.0	1530.2	1533.1	309.5	306.6
50°	1658.0	1442.2	1200.9	292.4	298.1
52.5°	1592.7	1362.7	846.0	283.9	286.7
55°	1501.9	1274.7	286.7	272.5	269.7
57.5°	1416.7	1192.4	266.9	252.7	241.3
60°	1320.2	1104.4	252.7	224.3	215.8
62.5°	1220.8	1016.4	232.8	198.7	193.1
65°	1118.6	803.5	204.4	176.0	173.2
67.5°	1010.7	528.1	173.2	156.1	153.3
70°	891.5	207.3	150.5	136.3	130.6
72.5°	766.5	178.9	127.8	116.4	110.7
75°	630.3	147.6	105.0	93.7	90.8
77.5°	502.5	110.7	85.2	73.8	71.0
80°	374.8	82.3	65.3	56.8	53.9
82.5°	255.5	59.6	48.3	39.7	36.9
85°	133.4	39.7	34.1	25.6	22.7
87.5°	51.1	25.6	19.9	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)