

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: P218579

Luminaire Tested: **4SNLED-LD5-43SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218579
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-LD5-43SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5093.0 lumens
Efficiency: N/A
Efficacy: 147.2 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

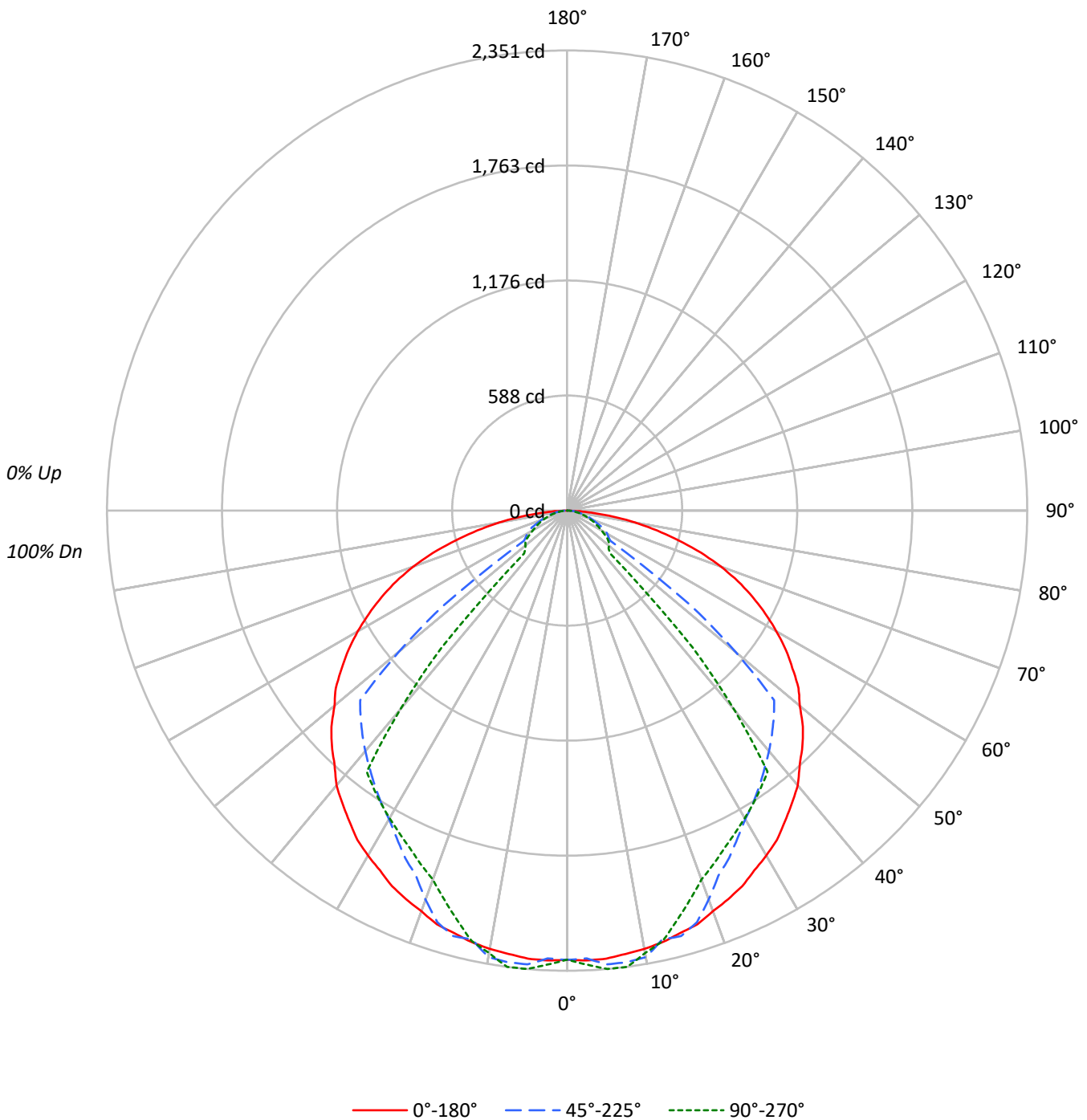
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36984	36984	36984
5°	37034	35362	34969
10°	36936	33546	31925
15°	36857	31347	28520
20°	36794	28594	25214
25°	36924	25909	23062
30°	36971	23755	21403
35°	37063	22236	19978
40°	37252	20858	15222
45°	37192	19590	3541
50°	37048	15001	3190
55°	37258	3673	2920
60°	37126	3348	2382
65°	36629	2827	1964
70°	35253	2194	1536
75°	31764	1632	1118
80°	26313	1095	702
85°	15632	626	317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.6	4.4
10°-20°	628.1	12.3
20°-30°	925.1	18.2
30°-40°	1113.5	21.9
40°-50°	953.6	18.7
50°-60°	617.1	12.1
60°-70°	410.2	8.1
70°-80°	175.0	3.4
80°-90°	48.9	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°	1774.7	34.8
0°-40°	2888.2	56.7
0°-60°	4458.9	87.5
0°-90°	5093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5093.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2295	2295	2295	2295	2295	
5°	2298	2306	2327	2354	2351	218
15°	2234	2295	2250	2202	2168	632
25°	2117	2130	1958	1915	1902	975
35°	1939	1865	1713	1727	1727	1215
45°	1700	1512	1493	911	311	1311
55°	1405	1193	268	255	252	1257
65°	1047	752	191	165	162	1032
75°	590	138	98	88	85	625
85°	125	37	32	24	21	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2295.2	2295.2	2295.2	2295.2	2295.2
2.5°	2300.5	2292.6	2289.9	2319.1	2321.8
5°	2297.9	2305.8	2327.1	2353.6	2351.0
7.5°	2284.6	2311.1	2327.1	2366.9	2351.0
10°	2274.0	2321.8	2316.5	2319.1	2295.2
12.5°	2258.0	2303.2	2244.7	2284.6	2252.7
15°	2234.1	2295.2	2250.0	2202.2	2167.7
17.5°	2215.5	2279.3	2204.9	2090.7	2085.3
20°	2178.3	2212.9	2114.6	2032.2	2005.6
22.5°	2149.1	2188.9	2018.9	1963.1	1955.2
25°	2117.2	2130.5	1957.8	1915.3	1902.0
27.5°	2072.1	2098.6	1886.1	1864.9	1856.9
30°	2034.9	2034.9	1819.7	1819.7	1814.4
32.5°	1995.0	1949.9	1769.2	1771.9	1771.9
35°	1939.2	1864.9	1713.4	1726.7	1726.7
37.5°	1886.1	1761.3	1657.6	1678.9	1681.6
40°	1833.0	1681.6	1604.5	1628.4	1330.9
42.5°	1758.6	1593.9	1548.7	1253.9	948.4
45°	1700.2	1511.5	1492.9	911.2	310.8
47.5°	1633.7	1431.8	1434.5	289.6	286.9
50°	1551.4	1349.5	1123.7	273.6	278.9
52.5°	1490.3	1275.1	791.6	265.6	268.3
55°	1405.3	1192.8	268.3	255.0	252.4
57.5°	1325.6	1115.7	249.7	236.4	225.8
60°	1235.3	1033.4	236.4	209.9	201.9
62.5°	1142.3	951.0	217.8	186.0	180.6
65°	1046.7	751.8	191.3	164.7	162.0
67.5°	945.7	494.1	162.0	146.1	143.5
70°	834.1	193.9	140.8	127.5	122.2
72.5°	717.3	167.4	119.5	108.9	103.6
75°	589.7	138.1	98.3	87.7	85.0
77.5°	470.2	103.6	79.7	69.1	66.4
80°	350.7	77.0	61.1	53.1	50.5
82.5°	239.1	55.8	45.2	37.2	34.5
85°	124.9	37.2	31.9	23.9	21.3
87.5°	47.8	23.9	18.6	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)