

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: P217989

Luminaire Tested: **4SNLED-LD5-64HL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217989
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: 4SNLED-LD5-64HL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6579.0 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

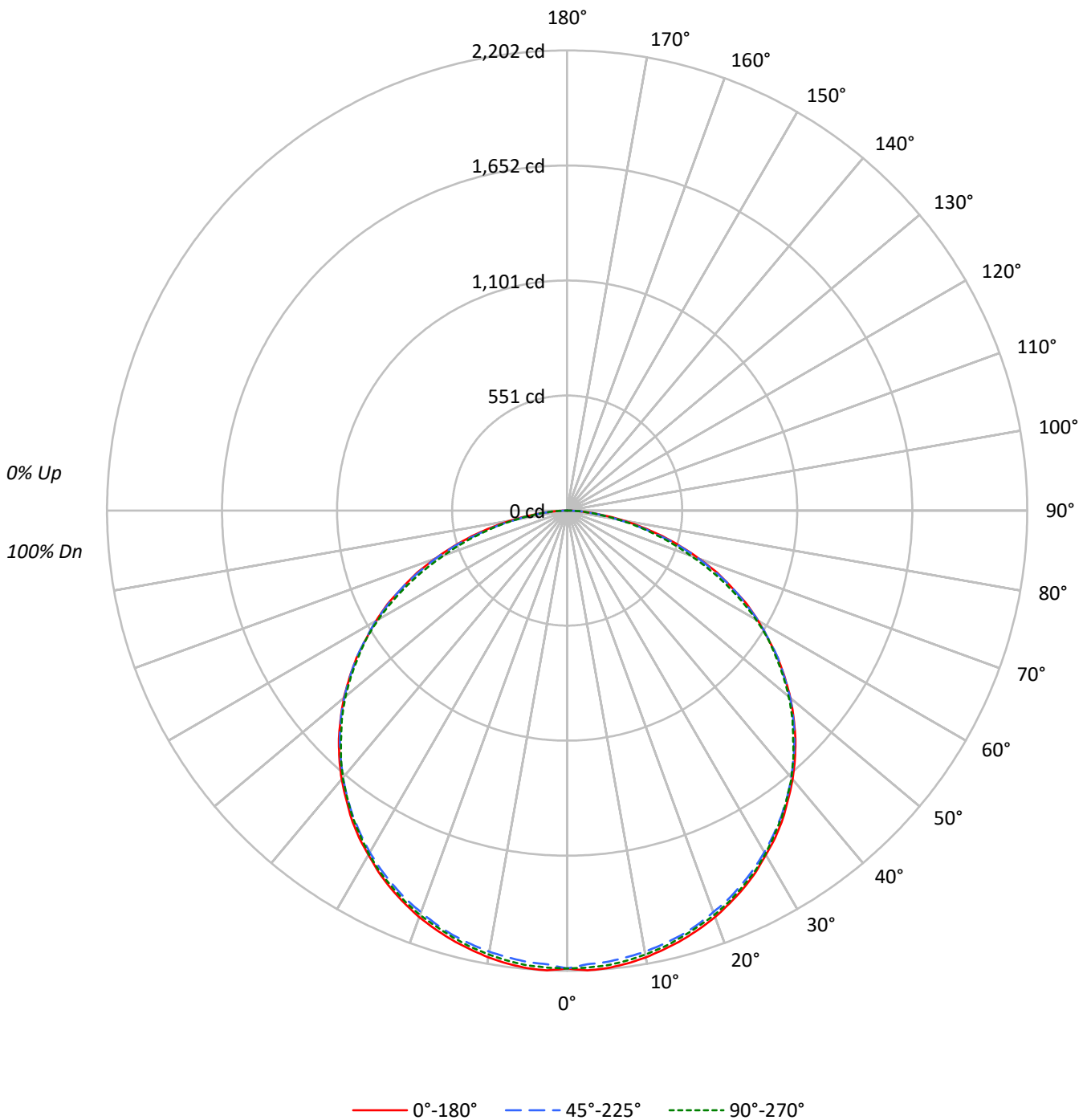
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35307	35307	35307
5°	35422	32949	32489
10°	35256	31038	30003
15°	35097	29322	27809
20°	34973	27660	25887
25°	34800	26135	24085
30°	34558	24653	22384
35°	34397	23179	20717
40°	34124	21681	19101
45°	33794	20183	17422
50°	33306	18589	15823
55°	32634	16852	14109
60°	31728	14949	12319
65°	30337	12847	10207
70°	28368	10387	7895
75°	25371	7481	5657
80°	20318	4445	3514
85°	12528	1920	1422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	3.2
10°-20°	597.8	9.1
20°-30°	915.9	13.9
30°-40°	1121.0	17.0
40°-50°	1186.3	18.0
50°-60°	1097.2	16.7
60°-70°	852.0	13.0
70°-80°	479.9	7.3
80°-90°	121.4	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°	1721.3	26.2
0°-40°	2842.3	43.2
0°-60°	5125.8	77.9
0°-90°	6579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6579.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2191	2191	2191	2191	2191	
5°	2198	2189	2168	2189	2184	209
15°	2127	2120	2105	2123	2114	601
25°	1995	1989	1975	1991	1986	920
35°	1800	1793	1786	1791	1791	1125
45°	1545	1543	1538	1536	1529	1191
55°	1231	1236	1231	1226	1220	1098
65°	867	874	869	858	842	860
75°	471	471	450	439	430	496
85°	100	100	98	98	96	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2191.1	2191.1	2191.1	2191.1	2191.1
2.5°	2202.5	2193.4	2172.9	2193.4	2188.8
5°	2197.9	2188.8	2168.3	2188.8	2184.3
7.5°	2186.5	2179.7	2157.0	2177.4	2172.9
10°	2170.6	2163.8	2143.3	2163.8	2157.0
12.5°	2150.1	2143.3	2125.1	2143.3	2138.8
15°	2127.4	2120.5	2104.6	2122.8	2113.7
17.5°	2100.1	2095.5	2077.3	2095.5	2086.4
20°	2070.5	2061.4	2045.5	2063.7	2059.1
22.5°	2034.1	2029.5	2013.6	2029.5	2025.0
25°	1995.4	1988.6	1974.9	1990.9	1986.3
27.5°	1952.2	1947.6	1934.0	1945.4	1945.4
30°	1902.1	1899.8	1888.5	1899.8	1897.6
32.5°	1854.3	1849.8	1838.4	1847.5	1843.0
35°	1799.7	1792.9	1786.1	1790.6	1790.6
37.5°	1738.3	1736.0	1729.2	1736.0	1729.2
40°	1679.1	1674.6	1667.8	1670.0	1670.0
42.5°	1613.2	1610.9	1604.1	1604.1	1601.8
45°	1544.9	1542.6	1538.1	1535.8	1529.0
47.5°	1469.8	1467.5	1467.5	1465.3	1460.7
50°	1394.7	1394.7	1392.5	1385.6	1383.4
52.5°	1312.8	1317.4	1310.6	1306.0	1303.7
55°	1230.9	1235.5	1230.9	1226.4	1219.5
57.5°	1139.9	1149.0	1142.2	1139.9	1137.6
60°	1055.7	1060.3	1055.7	1048.9	1044.3
62.5°	969.3	969.3	962.4	957.9	944.2
65°	866.9	873.7	869.2	857.8	841.8
67.5°	775.9	771.3	766.8	753.1	734.9
70°	671.2	673.5	666.7	646.2	628.0
72.5°	571.1	575.6	562.0	534.7	530.1
75°	471.0	471.0	450.5	439.1	430.0
77.5°	368.6	370.9	343.6	341.3	339.0
80°	270.8	275.3	248.0	254.8	252.6
82.5°	184.3	179.7	168.4	168.4	166.1
85°	100.1	100.1	97.8	97.8	95.6
87.5°	38.7	41.0	45.5	50.1	47.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)