

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: P217993

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217993
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-LD5-64SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6616.0 lumens
Efficiency: N/A
Efficacy: 128.5 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

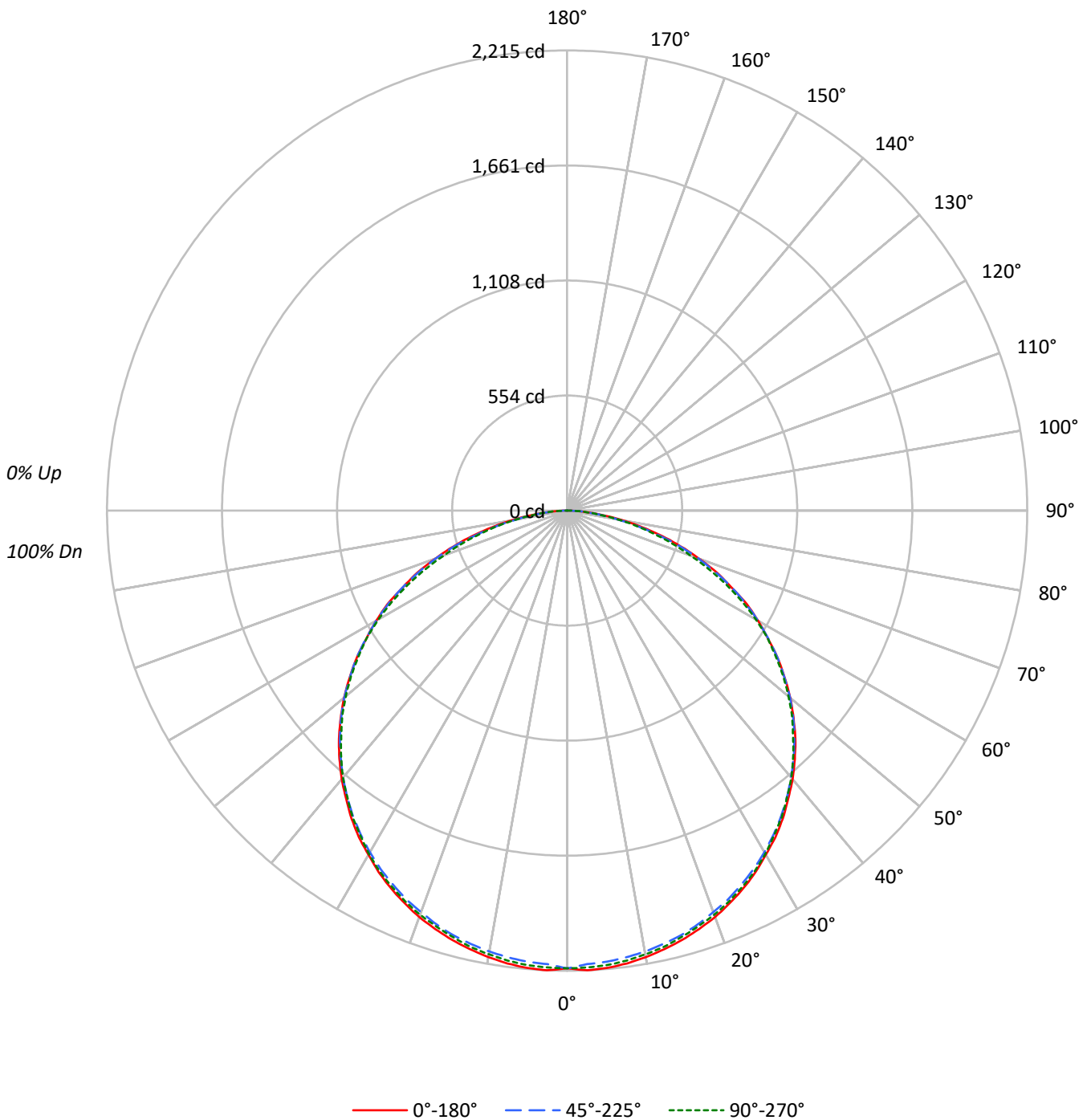
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35505	35505	35505
5°	35622	33135	32671
10°	35454	31213	30171
15°	35293	29487	27966
20°	35169	27815	26033
25°	34995	26282	24220
30°	34753	24792	22509
35°	34592	23309	20834
40°	34317	21803	19208
45°	33985	20296	17520
50°	33494	18693	15911
55°	32817	16946	14189
60°	31908	15034	12388
65°	30509	12918	10265
70°	28529	10445	7939
75°	25511	7523	5689
80°	20431	4470	3533
85°	12603	1931	1429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	3.2
10°-20°	601.1	9.1
20°-30°	921.0	13.9
30°-40°	1127.3	17.0
40°-50°	1193.0	18.0
50°-60°	1103.3	16.7
60°-70°	856.8	12.9
70°-80°	482.6	7.3
80°-90°	122.1	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°	1731.0	26.2
0°-40°	2858.3	43.2
0°-60°	5154.6	77.9
0°-90°	6616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2203	2203	2203	2203	2203	
5°	2210	2201	2180	2201	2196	210
15°	2139	2132	2116	2135	2126	604
25°	2007	2000	1986	2002	1998	925
35°	1810	1803	1796	1801	1801	1132
45°	1554	1551	1547	1544	1538	1197
55°	1238	1242	1238	1233	1226	1104
65°	872	879	874	863	847	865
75°	474	474	453	442	432	499
85°	101	101	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°	2203.4	2203.4	2203.4	2203.4	2203.4
2.5°	2214.8	2205.7	2185.1	2205.7	2201.1
5°	2210.3	2201.1	2180.5	2201.1	2196.5
7.5°	2198.8	2192.0	2169.1	2189.7	2185.1
10°	2182.8	2175.9	2155.4	2175.9	2169.1
12.5°	2162.2	2155.4	2137.1	2155.4	2150.8
15°	2139.3	2132.5	2116.5	2134.8	2125.6
17.5°	2111.9	2107.3	2089.0	2107.3	2098.2
20°	2082.1	2073.0	2057.0	2075.3	2070.7
22.5°	2045.5	2041.0	2024.9	2041.0	2036.4
25°	2006.6	1999.8	1986.0	2002.1	1997.5
27.5°	1963.2	1958.6	1944.9	1956.3	1956.3
30°	1912.8	1910.5	1899.1	1910.5	1908.2
32.5°	1864.8	1860.2	1848.8	1857.9	1853.3
35°	1809.9	1803.0	1796.1	1800.7	1800.7
37.5°	1748.1	1745.8	1738.9	1745.8	1738.9
40°	1688.6	1684.0	1677.2	1679.4	1679.4
42.5°	1622.2	1619.9	1613.1	1613.1	1610.8
45°	1553.6	1551.3	1546.7	1544.4	1537.6
47.5°	1478.1	1475.8	1475.8	1473.5	1468.9
50°	1402.6	1402.6	1400.3	1393.4	1391.1
52.5°	1320.2	1324.8	1317.9	1313.3	1311.1
55°	1237.8	1242.4	1237.8	1233.3	1226.4
57.5°	1146.3	1155.5	1148.6	1146.3	1144.0
60°	1061.7	1066.2	1061.7	1054.8	1050.2
62.5°	974.7	974.7	967.9	963.3	949.5
65°	871.8	878.6	874.0	862.6	846.6
67.5°	780.2	775.7	771.1	757.3	739.0
70°	675.0	677.3	670.4	649.8	631.5
72.5°	574.3	578.9	565.2	537.7	533.1
75°	473.6	473.6	453.0	441.6	432.4
77.5°	370.7	373.0	345.5	343.2	340.9
80°	272.3	276.9	249.4	256.3	254.0
82.5°	185.3	180.8	169.3	169.3	167.0
85°	100.7	100.7	98.4	98.4	96.1
87.5°	38.9	41.2	45.8	50.3	48.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)