

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: P218005

Luminaire Tested: **8TSNLED-LD5-64SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218005
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: 8TSNLED-LD5-64SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6677.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

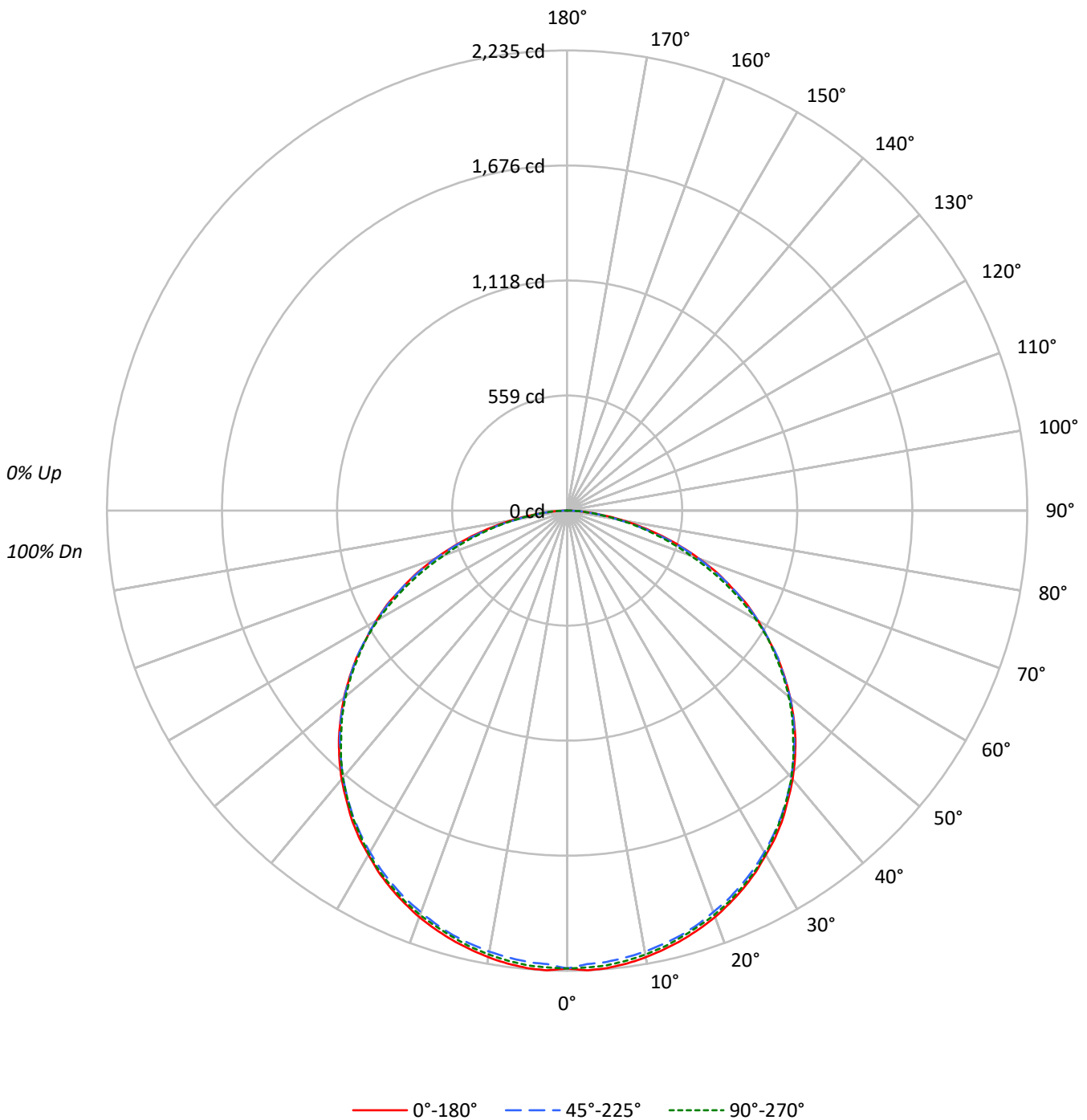
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17916	17916	17916
5°	18007	16740	16486
10°	17956	15786	15225
15°	17909	14929	14112
20°	17880	14095	13136
25°	17829	13331	12222
30°	17746	12585	11358
35°	17706	11843	10513
40°	17615	11087	9693
45°	17499	10330	8841
50°	17311	9522	8029
55°	17040	8641	7160
60°	16662	7672	6251
65°	16054	6600	5180
70°	15176	5343	4006
75°	13804	3853	2871
80°	11400	2293	1783
85°	7583	992	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.7	3.2
10°-20°	606.7	9.1
20°-30°	929.5	13.9
30°-40°	1137.7	17.0
40°-50°	1204.0	18.0
50°-60°	1113.5	16.7
60°-70°	864.7	12.9
70°-80°	487.0	7.3
80°-90°	123.2	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°	1746.9	26.2
0°-40°	2884.6	43.2
0°-60°	5202.1	77.9
0°-90°	6677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2224	2224	2224	2224	2224	
5°	2231	2221	2201	2221	2217	212
15°	2159	2152	2136	2154	2145	610
25°	2025	2018	2004	2020	2016	933
35°	1826	1820	1813	1817	1817	1142
45°	1568	1566	1561	1559	1552	1208
55°	1249	1254	1249	1245	1238	1114
65°	880	887	882	871	854	873
75°	478	478	457	446	436	503
85°	102	102	99	99	97	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2223.7	2223.7	2223.7	2223.7	2223.7
2.5°	2235.3	2226.0	2205.2	2226.0	2221.4
5°	2230.6	2221.4	2200.6	2221.4	2216.8
7.5°	2219.1	2212.2	2189.1	2209.9	2205.2
10°	2202.9	2196.0	2175.2	2196.0	2189.1
12.5°	2182.2	2175.2	2156.8	2175.2	2170.6
15°	2159.1	2152.1	2136.0	2154.4	2145.2
17.5°	2131.4	2126.7	2108.3	2126.7	2117.5
20°	2101.3	2092.1	2075.9	2094.4	2089.8
22.5°	2064.4	2059.8	2043.6	2059.8	2055.2
25°	2025.1	2018.2	2004.4	2020.5	2015.9
27.5°	1981.3	1976.6	1962.8	1974.3	1974.3
30°	1930.5	1928.1	1916.6	1928.1	1925.8
32.5°	1882.0	1877.3	1865.8	1875.0	1870.4
35°	1826.5	1819.6	1812.7	1817.3	1817.3
37.5°	1764.2	1761.9	1755.0	1761.9	1755.0
40°	1704.2	1699.5	1692.6	1694.9	1694.9
42.5°	1637.2	1634.9	1628.0	1628.0	1625.6
45°	1567.9	1565.6	1561.0	1558.7	1551.8
47.5°	1491.7	1489.4	1489.4	1487.1	1482.5
50°	1415.5	1415.5	1413.2	1406.3	1404.0
52.5°	1332.4	1337.0	1330.1	1325.5	1323.1
55°	1249.3	1253.9	1249.3	1244.6	1237.7
57.5°	1156.9	1166.1	1159.2	1156.9	1154.6
60°	1071.4	1076.1	1071.4	1064.5	1059.9
62.5°	983.7	983.7	976.8	972.2	958.3
65°	879.8	886.7	882.1	870.6	854.4
67.5°	787.4	782.8	778.2	764.3	745.9
70°	681.2	683.5	676.6	655.8	637.3
72.5°	579.6	584.2	570.4	542.7	538.0
75°	478.0	478.0	457.2	445.7	436.4
77.5°	374.1	376.4	348.7	346.4	344.1
80°	274.8	279.4	251.7	258.6	256.3
82.5°	187.0	182.4	170.9	170.9	168.6
85°	101.6	101.6	99.3	99.3	97.0
87.5°	39.3	41.6	46.2	50.8	48.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)