

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: P218004

Luminaire Tested: **8TSNLED-LD5-64SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218004
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6546.0 lumens
Efficiency: N/A
Efficacy: 148.4 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

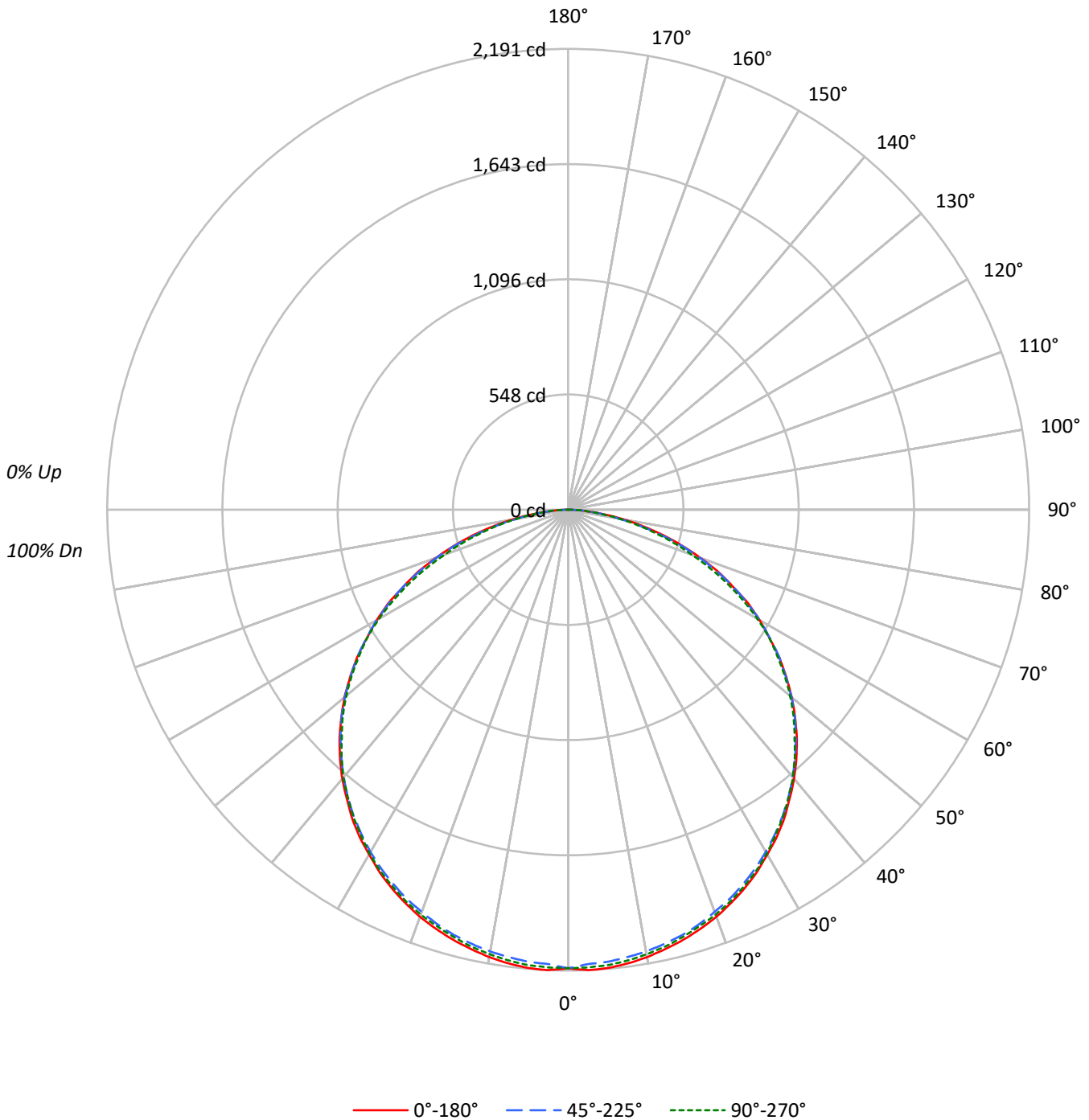
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17565	17565	17565
5°	17655	16412	16163
10°	17604	15477	14926
15°	17557	14636	13835
20°	17530	13819	12879
25°	17480	13069	11982
30°	17398	12338	11136
35°	17359	11610	10307
40°	17269	10869	9503
45°	17157	10127	8667
50°	16971	9335	7871
55°	16705	8470	7019
60°	16335	7522	6129
65°	15738	6470	5078
70°	14878	5237	3927
75°	13533	3777	2815
80°	11176	2248	1748
85°	7434	972	707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.6	3.2
10°-20°	594.8	9.1
20°-30°	911.3	13.9
30°-40°	1115.4	17.0
40°-50°	1180.3	18.0
50°-60°	1091.7	16.7
60°-70°	847.7	12.9
70°-80°	477.5	7.3
80°-90°	120.8	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°	1712.7	26.2
0°-40°	2828.0	43.2
0°-60°	5100.1	77.9
0°-90°	6546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6546.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2180	2180	2180	2180	2180	
5°	2187	2178	2158	2178	2173	208
15°	2117	2110	2094	2112	2103	598
25°	1985	1979	1965	1981	1976	915
35°	1791	1784	1777	1782	1782	1120
45°	1537	1535	1530	1528	1521	1185
55°	1225	1229	1225	1220	1213	1093
65°	862	869	865	854	838	856
75°	469	469	448	437	428	494
85°	100	100	97	97	95	124
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2180.1	2180.1	2180.1	2180.1	2180.1
2.5°	2191.4	2182.4	2162.0	2182.4	2177.8
5°	2186.9	2177.8	2157.5	2177.8	2173.3
7.5°	2175.6	2168.8	2146.1	2166.5	2162.0
10°	2159.7	2152.9	2132.6	2152.9	2146.1
12.5°	2139.3	2132.6	2114.4	2132.6	2128.0
15°	2116.7	2109.9	2094.1	2112.2	2103.1
17.5°	2089.5	2085.0	2066.9	2085.0	2076.0
20°	2060.1	2051.1	2035.2	2053.3	2048.8
22.5°	2023.9	2019.4	2003.5	2019.4	2014.8
25°	1985.4	1978.6	1965.0	1980.9	1976.3
27.5°	1942.4	1937.9	1924.3	1935.6	1935.6
30°	1892.6	1890.3	1879.0	1890.3	1888.1
32.5°	1845.0	1840.5	1829.2	1838.3	1833.7
35°	1790.7	1783.9	1777.1	1781.7	1781.7
37.5°	1729.6	1727.3	1720.5	1727.3	1720.5
40°	1670.7	1666.2	1659.4	1661.7	1661.7
42.5°	1605.1	1602.8	1596.0	1596.0	1593.8
45°	1537.2	1534.9	1530.4	1528.1	1521.3
47.5°	1462.5	1460.2	1460.2	1457.9	1453.4
50°	1387.7	1387.7	1385.5	1378.7	1376.4
52.5°	1306.2	1310.8	1304.0	1299.5	1297.2
55°	1224.7	1229.3	1224.7	1220.2	1213.4
57.5°	1134.2	1143.2	1136.5	1134.2	1131.9
60°	1050.4	1055.0	1050.4	1043.6	1039.1
62.5°	964.4	964.4	957.6	953.1	939.5
65°	862.5	869.3	864.8	853.5	837.6
67.5°	772.0	767.4	762.9	749.3	731.2
70°	667.8	670.1	663.3	642.9	624.8
72.5°	568.2	572.8	559.2	532.0	527.5
75°	468.6	468.6	448.2	436.9	427.9
77.5°	366.7	369.0	341.8	339.6	337.3
80°	269.4	273.9	246.8	253.6	251.3
82.5°	183.4	178.8	167.5	167.5	165.3
85°	99.6	99.6	97.3	97.3	95.1
87.5°	38.5	40.7	45.3	49.8	47.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)