

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: P218006

Luminaire Tested: **8TSNLED-LD5-64SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218006
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7221.9 lumens
Efficiency: N/A
Efficacy: 163.8 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

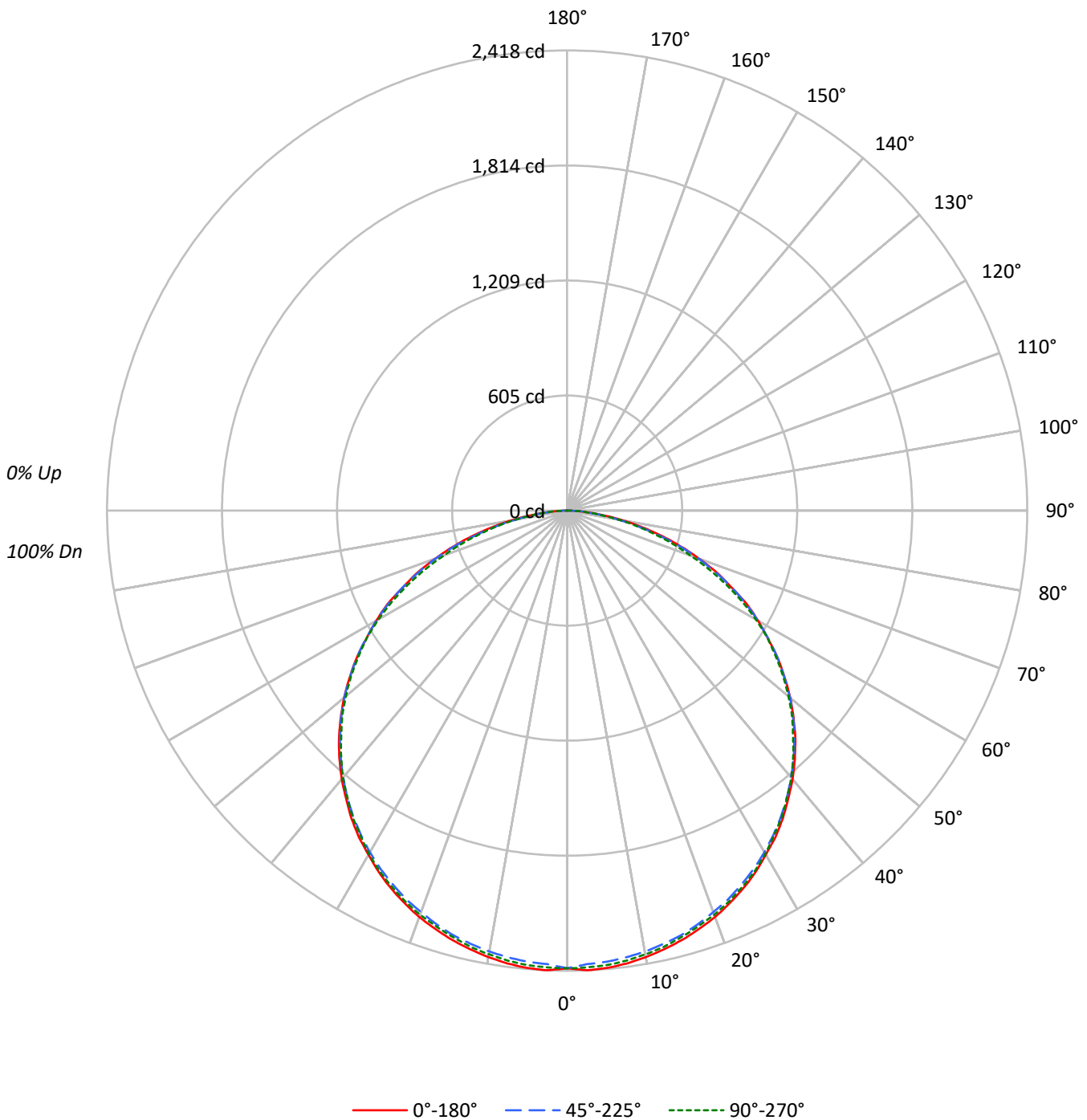
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19378	19378	19378
5°	19477	18107	17832
10°	19422	17075	16468
15°	19370	16147	15264
20°	19341	15246	14209
25°	19284	14419	13219
30°	19194	13612	12286
35°	19151	12809	11371
40°	19053	11992	10484
45°	18928	11173	9562
50°	18725	10299	8685
55°	18430	9345	7744
60°	18022	8298	6761
65°	17364	7138	5603
70°	16415	5778	4333
75°	14931	4167	3106
80°	12330	2479	1928
85°	8202	1073	780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	3.2
10°-20°	656.2	9.1
20°-30°	1005.4	13.9
30°-40°	1230.6	17.0
40°-50°	1302.2	18.0
50°-60°	1204.4	16.7
60°-70°	935.2	12.9
70°-80°	526.8	7.3
80°-90°	133.2	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°	1889.5	26.2
0°-40°	3120.1	43.2
0°-60°	5626.7	77.9
0°-90°	7221.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7221.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2413	2403	2380	2403	2398	229
15°	2335	2328	2310	2330	2320	660
25°	2190	2183	2168	2185	2180	1010
35°	1976	1968	1961	1966	1966	1235
45°	1696	1693	1688	1686	1678	1307
55°	1351	1356	1351	1346	1339	1205
65°	952	959	954	942	924	944
75°	517	517	494	482	472	545
85°	110	110	107	107	105	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2405.2	2405.2	2405.2	2405.2	2405.2
2.5°	2417.7	2407.7	2385.2	2407.7	2402.7
5°	2412.7	2402.7	2380.3	2402.7	2397.7
7.5°	2400.2	2392.7	2367.8	2390.2	2385.2
10°	2382.7	2375.3	2352.8	2375.3	2367.8
12.5°	2360.3	2352.8	2332.8	2352.8	2347.8
15°	2335.3	2327.8	2310.3	2330.3	2320.3
17.5°	2305.3	2300.3	2280.3	2300.3	2290.3
20°	2272.9	2262.9	2245.4	2265.4	2260.4
22.5°	2232.9	2227.9	2210.4	2227.9	2222.9
25°	2190.4	2182.9	2168.0	2185.4	2180.4
27.5°	2143.0	2138.0	2123.0	2135.5	2135.5
30°	2088.0	2085.5	2073.0	2085.5	2083.0
32.5°	2035.6	2030.6	2018.1	2028.1	2023.1
35°	1975.6	1968.1	1960.6	1965.6	1965.6
37.5°	1908.2	1905.7	1898.2	1905.7	1898.2
40°	1843.3	1838.3	1830.8	1833.3	1833.3
42.5°	1770.8	1768.3	1760.8	1760.8	1758.3
45°	1695.9	1693.4	1688.4	1685.9	1678.4
47.5°	1613.5	1611.0	1611.0	1608.5	1603.5
50°	1531.1	1531.1	1528.6	1521.1	1518.6
52.5°	1441.1	1446.1	1438.6	1433.6	1431.1
55°	1351.2	1356.2	1351.2	1346.2	1338.7
57.5°	1251.3	1261.3	1253.8	1251.3	1248.8
60°	1158.9	1163.9	1158.9	1151.4	1146.4
62.5°	1064.0	1064.0	1056.5	1051.5	1036.5
65°	951.6	959.1	954.1	941.6	924.1
67.5°	851.7	846.7	841.7	826.7	806.7
70°	736.8	739.3	731.8	709.3	689.3
72.5°	626.9	631.9	616.9	586.9	582.0
75°	517.0	517.0	494.5	482.0	472.1
77.5°	404.6	407.1	377.1	374.6	372.1
80°	297.2	302.2	272.2	279.7	277.2
82.5°	202.3	197.3	184.8	184.8	182.3
85°	109.9	109.9	107.4	107.4	104.9
87.5°	42.5	45.0	50.0	54.9	52.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)