

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: P402675

Luminaire Tested: **8SLSTP11040DD-UNV**

Issue Date: 06/24/2020

Test Information

Test Method: LM-79-08
Report Number: P402675
Test Lab: INNOVATION CENTER-P2
Issue Date: 06/24/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SLSTP11040DD-UNV
Description: 8FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (190) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11462.6 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

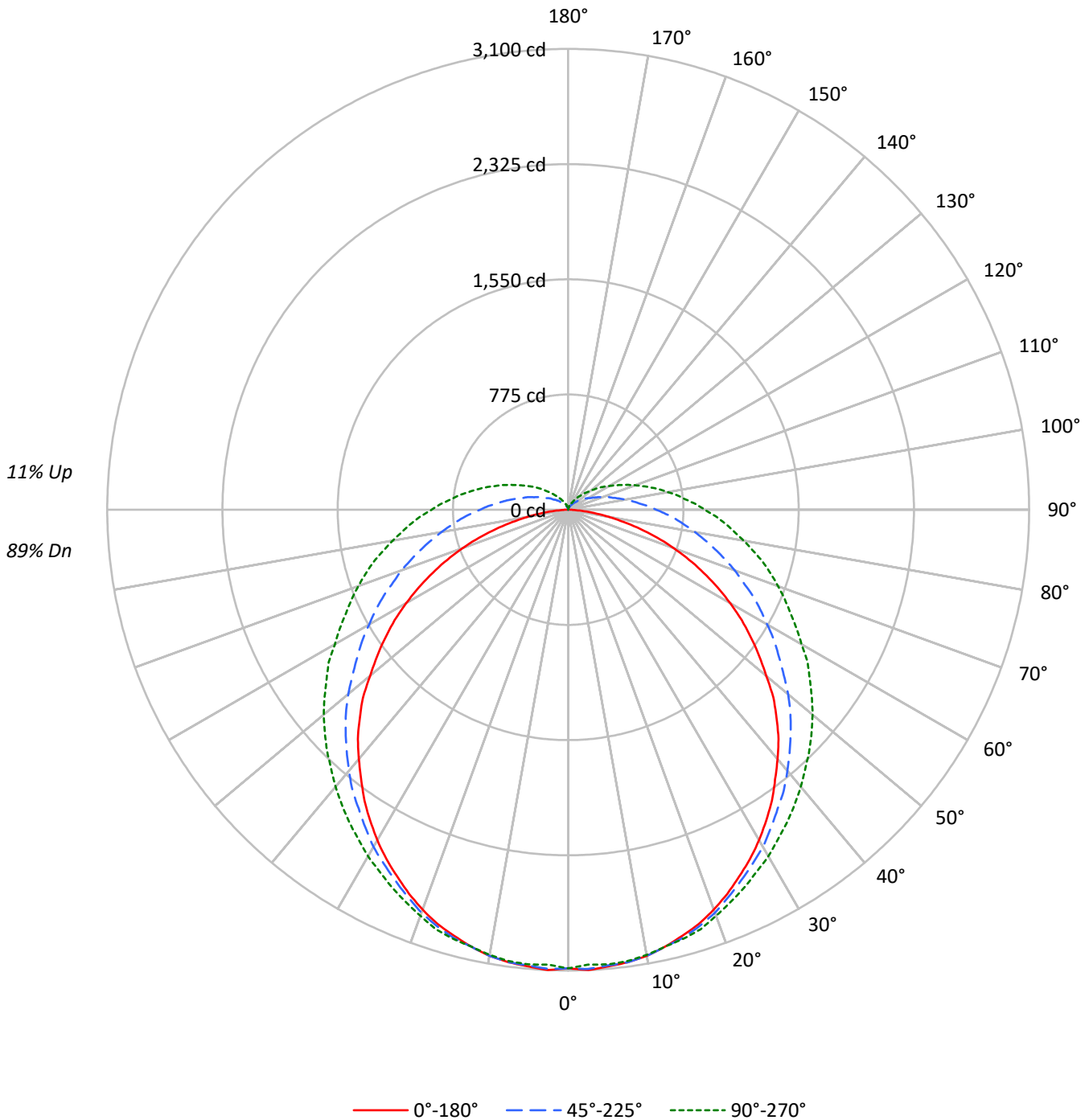
Input Watts (W): 93.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P402675

CATALOG NUMBER: 8SLSTP11040DD-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P402675

CATALOG NUMBER: 8SLSTP11040DD-UNV

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	117	117	117	117	113	113	113	113	105	105	105	98	98	98	92	92	92	89
1	104	98	93	89	100	95	90	86	89	85	81	83	80	77	78	75	73	70
2	94	85	77	70	90	82	75	69	76	71	66	71	67	62	67	63	59	57
3	85	74	65	58	82	71	63	56	67	60	54	62	57	52	58	54	50	47
4	78	65	56	48	74	63	54	47	59	51	46	55	49	44	52	47	42	40
5	71	58	48	41	68	56	47	41	53	45	39	49	43	38	47	41	36	34
6	66	52	43	36	63	50	42	35	47	40	34	45	38	33	42	36	32	29
7	61	47	38	31	58	45	37	31	43	35	30	41	34	29	38	33	28	26
8	56	43	34	28	54	41	33	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21
10	49	36	28	23	48	35	27	22	33	26	22	32	25	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24904	24904	24904
5°	24977	24176	23837
10°	24939	23490	22906
15°	24725	22720	22028
20°	24503	21909	21132
25°	24133	20982	20253
30°	23787	20203	19479
35°	23379	19322	18739
40°	22877	18551	18069
45°	22402	17750	17456
50°	21567	16957	16884
55°	20828	16078	16280
60°	19945	15362	15683
65°	18799	14737	15207
70°	17316	14116	14933
75°	15105	13568	14734
80°	12015	13208	14527
85°	7350	13102	14593



TEST NUMBER: P402675

CATALOG NUMBER: 8SLSTP11040DD-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	2.6
10°-20°	840.1	7.3
20°-30°	1271.4	11.1
30°-40°	1544.1	13.5
40°-50°	1641.3	14.3
50°-60°	1556.4	13.6
60°-70°	1335.9	11.7
70°-80°	1035.1	9.0
80°-90°	724.8	6.3
90°-100°	487.2	4.3
100°-110°	317.8	2.8
110°-120°	196.1	1.7
120°-130°	114.2	1.0
130°-140°	60.8	0.5
140°-150°	29.4	0.3
150°-160°	11.5	0.1
160°-170°	3.6	0.0
170°-180°	0.2	0.0
0°-30°	2404.2	21.0
0°-40°	3948.3	34.4
0°-60°	7146.0	62.3
0°-90°	10241.9	89.4
90°-120°	1001.0	8.7
90°-150°	1205.5	10.5
90°-180°	1221.0	10.7
0°-180°	11462.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3085	3085	3085	3085	3085	
5°	3085	3085	3078	3063	3070	293
15°	2967	2974	2981	2974	2989	838
25°	2722	2730	2752	2782	2804	1255
35°	2390	2397	2456	2530	2567	1492
45°	1983	2012	2116	2242	2293	1527
55°	1502	1561	1731	1924	1983	1342
65°	1006	1117	1369	1576	1650	996
75°	503	703	1021	1258	1354	535
85°	89	370	725	969	1058	114
90°	7	259	592	836	917	6
95°	0	178	481	710	792	0
105°	0	89	311	503	577	0
115°	0	52	192	340	392	0
125°	0	37	118	214	259	0
135°	0	22	74	133	155	0
145°	0	22	44	74	89	0
155°	0	15	22	37	44	0
165°	0	7	15	15	22	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P402675

CATALOG NUMBER: 8SLSTP11040DD-UNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3084.9	3084.9	3084.9	3084.9	3084.9
2.5°	3099.7	3099.7	3092.3	3070.1	3062.7
5°	3084.9	3084.9	3077.5	3062.7	3070.1
7.5°	3070.1	3070.1	3070.1	3055.3	3062.7
10°	3047.9	3047.9	3047.9	3025.8	3040.6
12.5°	3011.0	3018.4	3011.0	3003.6	3011.0
15°	2966.6	2974.0	2981.4	2974.0	2988.8
17.5°	2922.2	2922.2	2937.0	2944.4	2959.2
20°	2863.0	2870.4	2885.2	2892.6	2907.4
22.5°	2796.4	2796.4	2818.6	2833.4	2855.6
25°	2722.4	2729.8	2752.0	2781.6	2803.8
27.5°	2648.5	2655.9	2685.5	2722.4	2744.6
30°	2567.1	2574.5	2618.9	2663.3	2692.8
32.5°	2478.3	2485.7	2537.5	2596.7	2626.3
35°	2389.5	2396.9	2456.1	2530.1	2567.1
37.5°	2286.0	2308.2	2382.1	2463.5	2500.5
40°	2189.8	2212.0	2293.4	2389.5	2433.9
42.5°	2093.6	2115.8	2204.6	2323.0	2359.9
45°	1982.6	2012.2	2115.8	2241.6	2293.4
47.5°	1871.7	1908.7	2027.0	2160.2	2219.4
50°	1738.5	1782.9	1930.9	2078.8	2145.4
52.5°	1620.1	1671.9	1827.3	2004.8	2064.0
55°	1501.8	1561.0	1731.1	1923.5	1982.6
57.5°	1383.4	1450.0	1642.3	1827.3	1908.7
60°	1257.6	1339.0	1546.2	1738.5	1812.5
62.5°	1131.9	1228.1	1457.4	1657.1	1731.1
65°	1006.1	1117.1	1368.6	1575.8	1649.7
67.5°	880.4	1013.5	1272.4	1494.4	1575.8
70°	754.6	902.5	1191.1	1420.4	1501.8
72.5°	628.8	799.0	1102.3	1339.0	1427.8
75°	503.1	702.8	1020.9	1257.6	1353.8
77.5°	384.7	606.6	939.5	1183.7	1272.4
80°	273.7	525.3	865.6	1109.7	1198.5
82.5°	177.6	443.9	791.6	1035.7	1124.5
85°	88.8	369.9	725.0	969.1	1057.9
87.5°	29.6	310.7	658.4	902.5	991.3
90°	7.4	258.9	591.8	836.0	917.3
92.5°	0.0	214.5	540.0	776.8	858.2
95°	0.0	177.6	480.9	710.2	791.6
97.5°	0.0	148.0	436.5	658.4	739.8
100°	0.0	125.8	392.1	599.2	680.6
102.5°	0.0	103.6	347.7	554.8	628.8
105°	0.0	88.8	310.7	503.1	577.0
107.5°	0.0	74.0	281.1	458.7	525.3
110°	0.0	66.6	244.1	414.3	480.9



TEST NUMBER: P402675

CATALOG NUMBER: 8SLSTP11040DD-UNV

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.2	221.9	377.3	436.5
115°	0.0	51.8	192.3	340.3	392.1
117.5°	0.0	44.4	170.2	303.3	355.1
120°	0.0	44.4	155.4	273.7	318.1
122.5°	0.0	37.0	140.6	244.1	288.5
125°	0.0	37.0	118.4	214.5	258.9
127.5°	0.0	29.6	111.0	192.3	229.3
130°	0.0	29.6	96.2	170.2	199.7
132.5°	0.0	22.2	88.8	148.0	177.6
135°	0.0	22.2	74.0	133.2	155.4
137.5°	0.0	22.2	66.6	118.4	133.2
140°	0.0	22.2	59.2	103.6	118.4
142.5°	0.0	22.2	51.8	88.8	103.6
145°	0.0	22.2	44.4	74.0	88.8
147.5°	0.0	14.8	37.0	66.6	74.0
150°	0.0	14.8	29.6	51.8	59.2
152.5°	0.0	14.8	29.6	44.4	51.8
155°	0.0	14.8	22.2	37.0	44.4
157.5°	0.0	14.8	22.2	29.6	37.0
160°	0.0	7.4	14.8	22.2	29.6
162.5°	0.0	7.4	14.8	22.2	29.6
165°	0.0	7.4	14.8	14.8	22.2
167.5°	0.0	7.4	14.8	14.8	14.8
170°	0.0	7.4	7.4	14.8	7.4
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)