

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: P402668

Luminaire Tested: **4SLSTP4035DD-UNV**

Issue Date: 06/24/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402668  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 06/24/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLSTP4035DD-UNV  
Description: 4FT LENSED LED STRIPLIGHT  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)  
Light Source: (80) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

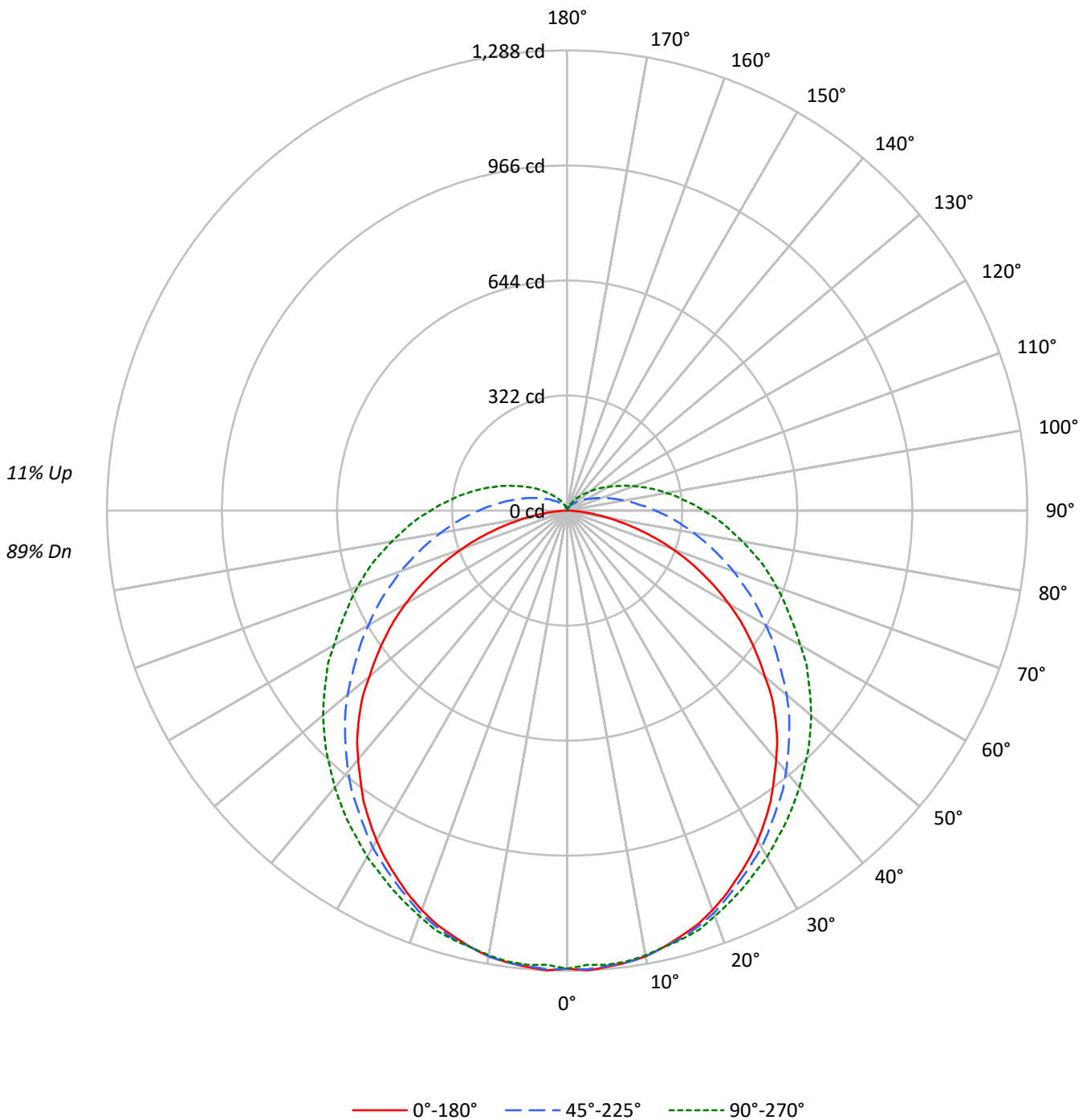
Lumens per Lamp: N/A  
Luminaire Lumens: 4763.8 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 40.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P402668  
CATALOG NUMBER: 4SLSTP4035DD-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P402668

CATALOG NUMBER: 4SLSTP4035DD-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	46	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	26	21		30	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20701	20701	20701
5°	20742	20082	19814
10°	20691	19501	19040
15°	20494	18852	18309
20°	20291	18168	17565
25°	19962	17389	16835
30°	19654	16734	16190
35°	19293	15996	15576
40°	18853	15346	15018
45°	18431	14674	14509
50°	17708	14009	14033
55°	17060	13273	13532
60°	16291	12669	13036
65°	15290	12141	12640
70°	14003	11615	12412
75°	12103	11147	12246
80°	9463	10828	12075
85°	5521	10714	12130



TEST NUMBER: P402668

CATALOG NUMBER: 4SLSTP4035DD-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.6	2.6
10°-20°	349.1	7.3
20°-30°	528.4	11.1
30°-40°	641.7	13.5
40°-50°	682.1	14.3
50°-60°	646.8	13.6
60°-70°	555.2	11.7
70°-80°	430.2	9.0
80°-90°	301.2	6.3
90°-100°	202.5	4.3
100°-110°	132.1	2.8
110°-120°	81.5	1.7
120°-130°	47.5	1.0
130°-140°	25.3	0.5
140°-150°	12.2	0.3
150°-160°	4.8	0.1
160°-170°	1.5	0.0
170°-180°	0.1	0.0
0°-30°	999.2	21.0
0°-40°	1640.9	34.4
0°-60°	2969.9	62.3
0°-90°	4256.5	89.4
90°-120°	416.0	8.7
90°-150°	501.0	10.5
90°-180°	507.0	10.6
0°-180°	4763.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1282	1282	1279	1273	1276	122
15°	1233	1236	1239	1236	1242	348
25°	1131	1134	1144	1156	1165	522
35°	993	996	1021	1052	1067	620
45°	824	836	879	932	953	635
55°	624	649	720	799	824	558
65°	418	464	569	655	686	414
75°	209	292	424	523	563	222
85°	37	154	301	403	440	47
90°	3	108	246	347	381	3
95°	0	74	200	295	329	0
105°	0	37	129	209	240	0
115°	0	22	80	141	163	0
125°	0	15	49	89	108	0
135°	0	9	31	55	65	0
145°	0	9	18	31	37	0
155°	0	6	9	15	18	0
165°	0	3	6	6	9	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P402668

CATALOG NUMBER: 4SLSTP4035DD-UNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1282.1	1282.1	1282.1	1282.1	1282.1
2.5°	1288.2	1288.2	1285.2	1276.0	1272.9
5°	1282.1	1282.1	1279.0	1272.9	1276.0
7.5°	1276.0	1276.0	1276.0	1269.8	1272.9
10°	1266.7	1266.7	1266.7	1257.5	1263.7
12.5°	1251.4	1254.4	1251.4	1248.3	1251.4
15°	1232.9	1236.0	1239.1	1236.0	1242.1
17.5°	1214.5	1214.5	1220.6	1223.7	1229.8
20°	1189.9	1192.9	1199.1	1202.2	1208.3
22.5°	1162.2	1162.2	1171.4	1177.6	1186.8
25°	1131.4	1134.5	1143.7	1156.0	1165.3
27.5°	1100.7	1103.8	1116.1	1131.4	1140.7
30°	1066.9	1070.0	1088.4	1106.8	1119.1
32.5°	1030.0	1033.1	1054.6	1079.2	1091.5
35°	993.1	996.2	1020.8	1051.5	1066.9
37.5°	950.0	959.3	990.0	1023.8	1039.2
40°	910.1	919.3	953.1	993.1	1011.5
42.5°	870.1	879.3	916.2	965.4	980.8
45°	824.0	836.3	879.3	931.6	953.1
47.5°	777.9	793.2	842.4	897.8	922.4
50°	722.5	741.0	802.5	864.0	891.6
52.5°	673.3	694.9	759.4	833.2	857.8
55°	624.1	648.7	719.5	799.4	824.0
57.5°	574.9	602.6	682.6	759.4	793.2
60°	522.7	556.5	642.6	722.5	753.3
62.5°	470.4	510.4	605.7	688.7	719.5
65°	418.1	464.3	568.8	654.9	685.6
67.5°	365.9	421.2	528.8	621.1	654.9
70°	313.6	375.1	495.0	590.3	624.1
72.5°	261.3	332.1	458.1	556.5	593.4
75°	209.1	292.1	424.3	522.7	562.6
77.5°	159.9	252.1	390.5	491.9	528.8
80°	113.8	218.3	359.7	461.2	498.1
82.5°	73.8	184.5	329.0	430.4	467.3
85°	36.9	153.7	301.3	402.8	439.7
87.5°	12.3	129.1	273.6	375.1	412.0
90°	3.1	107.6	246.0	347.4	381.2
92.5°	0.0	89.2	224.4	322.8	356.7
95°	0.0	73.8	199.8	295.2	329.0
97.5°	0.0	61.5	181.4	273.6	307.5
100°	0.0	52.3	163.0	249.0	282.9
102.5°	0.0	43.0	144.5	230.6	261.3
105°	0.0	36.9	129.1	209.1	239.8
107.5°	0.0	30.7	116.8	190.6	218.3
110°	0.0	27.7	101.5	172.2	199.8



TEST NUMBER: P402668

CATALOG NUMBER: 4SLSTP4035DD-UNV

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.6	92.2	156.8	181.4
115°	0.0	21.5	79.9	141.4	163.0
117.5°	0.0	18.4	70.7	126.1	147.6
120°	0.0	18.4	64.6	113.8	132.2
122.5°	0.0	15.4	58.4	101.5	119.9
125°	0.0	15.4	49.2	89.2	107.6
127.5°	0.0	12.3	46.1	79.9	95.3
130°	0.0	12.3	40.0	70.7	83.0
132.5°	0.0	9.2	36.9	61.5	73.8
135°	0.0	9.2	30.7	55.3	64.6
137.5°	0.0	9.2	27.7	49.2	55.3
140°	0.0	9.2	24.6	43.0	49.2
142.5°	0.0	9.2	21.5	36.9	43.0
145°	0.0	9.2	18.4	30.7	36.9
147.5°	0.0	6.1	15.4	27.7	30.7
150°	0.0	6.1	12.3	21.5	24.6
152.5°	0.0	6.1	12.3	18.4	21.5
155°	0.0	6.1	9.2	15.4	18.4
157.5°	0.0	6.1	9.2	12.3	15.4
160°	0.0	3.1	6.1	9.2	12.3
162.5°	0.0	3.1	6.1	9.2	12.3
165°	0.0	3.1	6.1	6.1	9.2
167.5°	0.0	3.1	6.1	6.1	6.1
170°	0.0	3.1	3.1	6.1	3.1
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)