

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: P402664

Luminaire Tested: **4SLSTP4040DD-120V**

Issue Date: 06/24/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402664  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 06/24/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLSTP4040DD-120V  
Description: 4FT LENSED LED STRIPLIGHT  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)  
Light Source: (80) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4977.7 lumens  
Efficiency: N/A  
Efficacy: 119.1 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

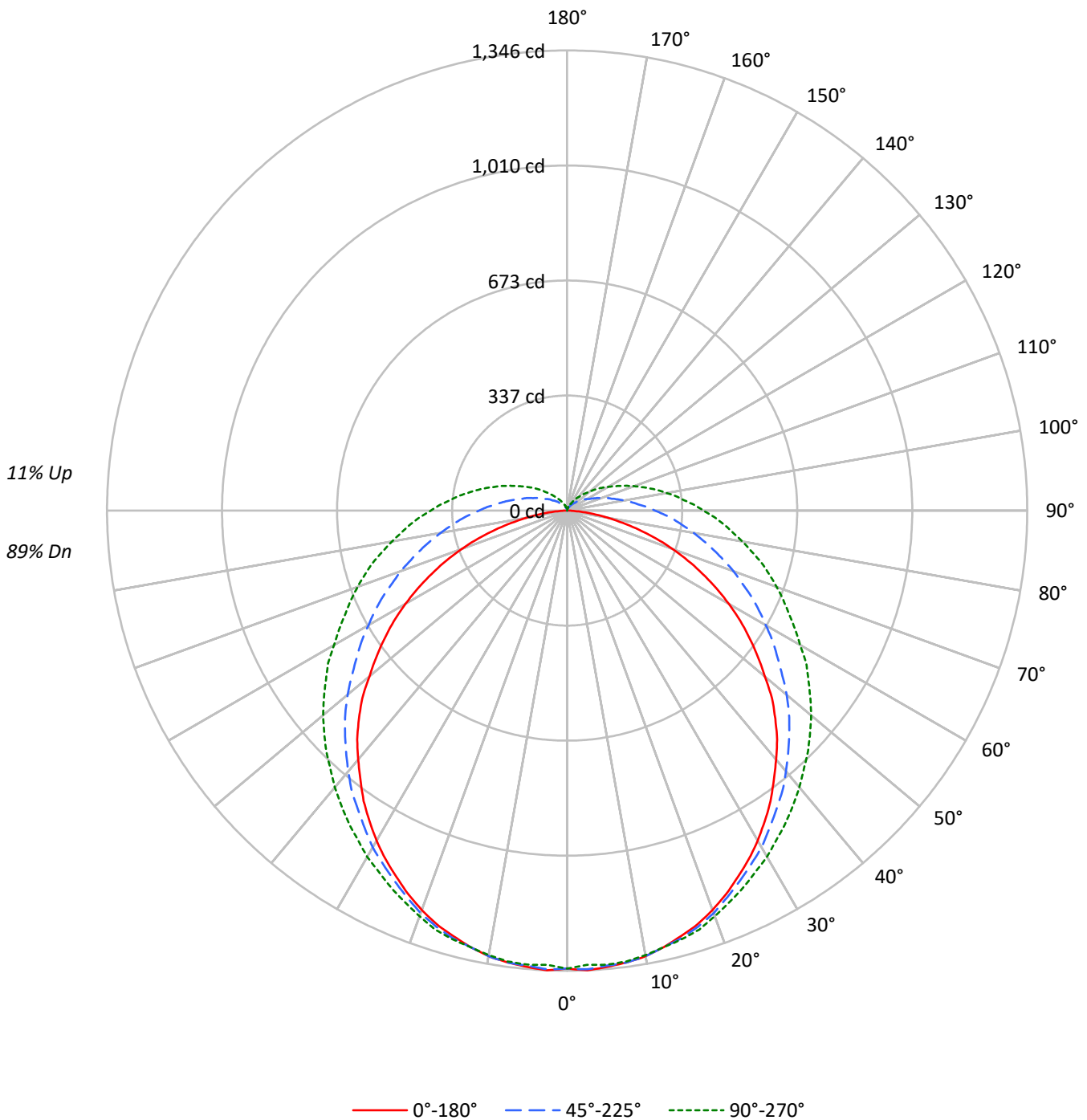
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	26	21	30	25	21	19

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

	0°	45°	90°
0°	21629	21629	21629
5°	21672	20984	20702
10°	21621	20377	19894
15°	21413	19698	19132
20°	21202	18983	18352
25°	20858	18170	17590
30°	20537	17485	16918
35°	20159	16713	16275
40°	19698	16035	15692
45°	19259	15333	15160
50°	18505	14637	14663
55°	17829	13867	14140
60°	17020	13237	13621
65°	15978	12686	13208
70°	14632	12136	12971
75°	12647	11647	12796
80°	9887	11316	12615
85°	5775	11194	12674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.1	2.6
10°-20°	364.8	7.3
20°-30°	552.1	11.1
30°-40°	670.6	13.5
40°-50°	712.8	14.3
50°-60°	675.9	13.6
60°-70°	580.1	11.7
70°-80°	449.5	9.0
80°-90°	314.8	6.3
90°-100°	211.6	4.3
100°-110°	138.0	2.8
110°-120°	85.1	1.7
120°-130°	49.6	1.0
130°-140°	26.4	0.5
140°-150°	12.8	0.3
150°-160°	5.0	0.1
160°-170°	1.6	0.0
170°-180°	0.1	0.0
0°-30°	1044.0	21.0
0°-40°	1714.6	34.4
0°-60°	3103.2	62.3
0°-90°	4447.6	89.4
90°-120°	434.7	8.7
90°-150°	523.5	10.5
90°-180°	530.0	10.6
0°-180°	4977.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1340	1340	1336	1330	1333	127
15°	1288	1292	1295	1292	1298	364
25°	1182	1185	1195	1208	1218	545
35°	1038	1041	1067	1099	1115	648
45°	861	874	919	973	996	663
55°	652	678	752	835	861	583
65°	437	485	594	684	716	432
75°	218	305	443	546	588	232
85°	39	161	315	421	459	49
90°	3	112	257	363	398	3
95°	0	77	209	308	344	0
105°	0	39	135	218	251	0
115°	0	22	84	148	170	0
125°	0	16	51	93	112	0
135°	0	10	32	58	68	0
145°	0	10	19	32	39	0
155°	0	6	10	16	19	0
165°	0	3	6	6	10	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1339.6	1339.6	1339.6	1339.6	1339.6
2.5°	1346.1	1346.1	1342.9	1333.2	1330.0
5°	1339.6	1339.6	1336.4	1330.0	1333.2
7.5°	1333.2	1333.2	1333.2	1326.8	1330.0
10°	1323.6	1323.6	1323.6	1313.9	1320.4
12.5°	1307.5	1310.7	1307.5	1304.3	1307.5
15°	1288.2	1291.5	1294.7	1291.5	1297.9
17.5°	1269.0	1269.0	1275.4	1278.6	1285.0
20°	1243.3	1246.5	1252.9	1256.1	1262.5
22.5°	1214.4	1214.4	1224.0	1230.4	1240.1
25°	1182.2	1185.4	1195.1	1207.9	1217.6
27.5°	1150.1	1153.3	1166.2	1182.2	1191.9
30°	1114.8	1118.0	1137.3	1156.5	1169.4
32.5°	1076.2	1079.4	1101.9	1127.6	1140.5
35°	1037.7	1040.9	1066.6	1098.7	1114.8
37.5°	992.7	1002.3	1034.5	1069.8	1085.9
40°	950.9	960.6	995.9	1037.7	1056.9
42.5°	909.2	918.8	957.3	1008.8	1024.8
45°	861.0	873.8	918.8	973.4	995.9
47.5°	812.8	828.8	880.2	938.1	963.8
50°	755.0	774.2	838.5	902.7	931.6
52.5°	703.6	726.0	793.5	870.6	896.3
55°	652.2	677.9	751.7	835.3	861.0
57.5°	600.8	629.7	713.2	793.5	828.8
60°	546.1	581.5	671.4	755.0	787.1
62.5°	491.5	533.3	632.9	719.6	751.7
65°	436.9	485.1	594.3	684.3	716.4
67.5°	382.3	440.1	552.6	648.9	684.3
70°	327.7	391.9	517.2	616.8	652.2
72.5°	273.1	347.0	478.7	581.5	620.0
75°	218.5	305.2	443.3	546.1	587.9
77.5°	167.1	263.4	408.0	514.0	552.6
80°	118.9	228.1	375.9	481.9	520.4
82.5°	77.1	192.8	343.7	449.8	488.3
85°	38.6	160.6	314.8	420.8	459.4
87.5°	12.9	134.9	285.9	391.9	430.5
90°	3.2	112.4	257.0	363.0	398.4
92.5°	0.0	93.2	234.5	337.3	372.7
95°	0.0	77.1	208.8	308.4	343.7
97.5°	0.0	64.3	189.5	285.9	321.3
100°	0.0	54.6	170.3	260.2	295.6
102.5°	0.0	45.0	151.0	240.9	273.1
105°	0.0	38.6	134.9	218.5	250.6
107.5°	0.0	32.1	122.1	199.2	228.1
110°	0.0	28.9	106.0	179.9	208.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.7	96.4	163.8	189.5
115°	0.0	22.5	83.5	147.8	170.3
117.5°	0.0	19.3	73.9	131.7	154.2
120°	0.0	19.3	67.5	118.9	138.1
122.5°	0.0	16.1	61.0	106.0	125.3
125°	0.0	16.1	51.4	93.2	112.4
127.5°	0.0	12.9	48.2	83.5	99.6
130°	0.0	12.9	41.8	73.9	86.7
132.5°	0.0	9.6	38.6	64.3	77.1
135°	0.0	9.6	32.1	57.8	67.5
137.5°	0.0	9.6	28.9	51.4	57.8
140°	0.0	9.6	25.7	45.0	51.4
142.5°	0.0	9.6	22.5	38.6	45.0
145°	0.0	9.6	19.3	32.1	38.6
147.5°	0.0	6.4	16.1	28.9	32.1
150°	0.0	6.4	12.9	22.5	25.7
152.5°	0.0	6.4	12.9	19.3	22.5
155°	0.0	6.4	9.6	16.1	19.3
157.5°	0.0	6.4	9.6	12.9	16.1
160°	0.0	3.2	6.4	9.6	12.9
162.5°	0.0	3.2	6.4	9.6	12.9
165°	0.0	3.2	6.4	6.4	9.6
167.5°	0.0	3.2	6.4	6.4	6.4
170°	0.0	3.2	3.2	6.4	3.2
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)