

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: P402661

Luminaire Tested: **2SLSTP1040DD-120V**

Issue Date: 06/24/2020

Test Information

Test Method: LM-79-08
Report Number: P402661
Test Lab: INNOVATION CENTER-P2
Issue Date: 06/24/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTP1040DD-120V
Description: 2FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (25) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

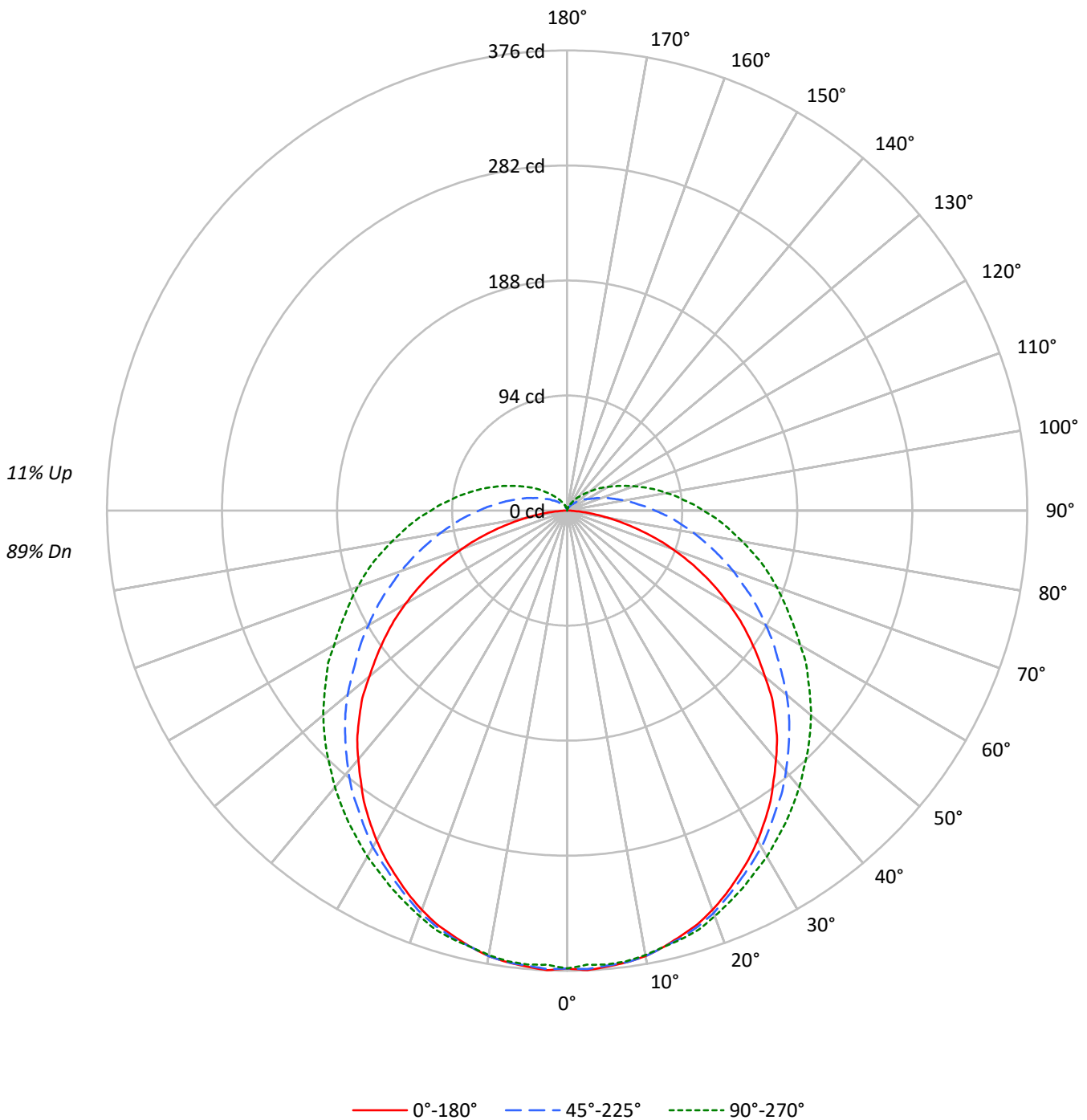
Lumens per Lamp: N/A
Luminaire Lumens: 1390.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 11.5
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



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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	25	21		30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12080	12080	12080
5°	12082	11705	11562
10°	12031	11352	11110
15°	11892	10960	10684
20°	11753	10553	10251
25°	11537	10088	9824
30°	11335	9698	9447
35°	11100	9257	9089
40°	10814	8872	8763
45°	10539	8473	8467
50°	10089	8075	8191
55°	9676	7639	7896
60°	9186	7280	7607
65°	8557	6964	7378
70°	7752	6643	7243
75°	6586	6358	7148
80°	4994	6155	7044
85°	2711	6056	7079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	2.6
10°-20°	101.9	7.3
20°-30°	154.2	11.1
30°-40°	187.2	13.5
40°-50°	199.0	14.3
50°-60°	188.7	13.6
60°-70°	162.0	11.7
70°-80°	125.5	9.0
80°-90°	87.9	6.3
90°-100°	59.1	4.2
100°-110°	38.6	2.8
110°-120°	23.8	1.7
120°-130°	13.8	1.0
130°-140°	7.4	0.5
140°-150°	3.6	0.3
150°-160°	1.4	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	291.5	21.0
0°-40°	478.8	34.4
0°-60°	866.6	62.3
0°-90°	1242.0	89.3
90°-120°	121.4	8.7
90°-150°	146.2	10.5
90°-180°	148.0	10.6
0°-180°	1390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	374	374	374	374	374	
5°	374	374	373	371	372	36
15°	360	361	362	361	362	102
25°	330	331	334	337	340	152
35°	290	291	298	307	311	181
45°	240	244	257	272	278	185
55°	182	189	210	233	240	163
65°	122	136	166	191	200	121
75°	61	85	124	152	164	65
85°	11	45	88	118	128	14
90°	1	31	72	101	111	1
95°	0	22	58	86	96	0
105°	0	11	38	61	70	0
115°	0	6	23	41	48	0
125°	0	4	14	26	31	0
135°	0	3	9	16	19	0
145°	0	3	5	9	11	0
155°	0	2	3	4	5	0
165°	0	1	2	2	3	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°	374.1	374.1	374.1	374.1	374.1
2.5°	375.9	375.9	375.0	372.3	371.4
5°	374.1	374.1	373.2	371.4	372.3
7.5°	372.3	372.3	372.3	370.5	371.4
10°	369.6	369.6	369.6	366.9	368.7
12.5°	365.1	366.0	365.1	364.2	365.1
15°	359.7	360.6	361.5	360.6	362.4
17.5°	354.4	354.4	356.1	357.0	358.8
20°	347.2	348.1	349.9	350.8	352.6
22.5°	339.1	339.1	341.8	343.6	346.3
25°	330.1	331.0	333.7	337.3	340.0
27.5°	321.2	322.1	325.6	330.1	332.8
30°	311.3	312.2	317.6	323.0	326.5
32.5°	300.5	301.4	307.7	314.9	318.5
35°	289.8	290.7	297.8	306.8	311.3
37.5°	277.2	279.9	288.9	298.7	303.2
40°	265.5	268.2	278.1	289.8	295.1
42.5°	253.9	256.6	267.3	281.7	286.2
45°	240.4	244.0	256.6	271.8	278.1
47.5°	227.0	231.5	245.8	262.0	269.1
50°	210.8	216.2	234.1	252.1	260.2
52.5°	196.5	202.7	221.6	243.1	250.3
55°	182.1	189.3	209.9	233.2	240.4
57.5°	167.8	175.8	199.2	221.6	231.5
60°	152.5	162.4	187.5	210.8	219.8
62.5°	137.3	148.9	176.7	200.9	209.9
65°	122.0	135.5	166.0	191.1	200.1
67.5°	106.8	122.9	154.3	181.2	191.1
70°	91.5	109.4	144.4	172.2	182.1
72.5°	76.3	96.9	133.7	162.4	173.1
75°	61.0	85.2	123.8	152.5	164.2
77.5°	46.6	73.6	113.9	143.5	154.3
80°	33.2	63.7	105.0	134.6	145.3
82.5°	21.5	53.8	96.0	125.6	136.4
85°	10.8	44.9	87.9	117.5	128.3
87.5°	3.6	37.7	79.8	109.4	120.2
90°	0.9	31.4	71.8	101.4	111.2
92.5°	0.0	26.0	65.5	94.2	104.1
95°	0.0	21.5	58.3	86.1	96.0
97.5°	0.0	17.9	52.9	79.8	89.7
100°	0.0	15.3	47.5	72.7	82.5
102.5°	0.0	12.6	42.2	67.3	76.3
105°	0.0	10.8	37.7	61.0	70.0
107.5°	0.0	9.0	34.1	55.6	63.7
110°	0.0	8.1	29.6	50.2	58.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.2	26.9	45.8	52.9
115°	0.0	6.3	23.3	41.3	47.5
117.5°	0.0	5.4	20.6	36.8	43.1
120°	0.0	5.4	18.8	33.2	38.6
122.5°	0.0	4.5	17.0	29.6	35.0
125°	0.0	4.5	14.4	26.0	31.4
127.5°	0.0	3.6	13.5	23.3	27.8
130°	0.0	3.6	11.7	20.6	24.2
132.5°	0.0	2.7	10.8	17.9	21.5
135°	0.0	2.7	9.0	16.1	18.8
137.5°	0.0	2.7	8.1	14.4	16.1
140°	0.0	2.7	7.2	12.6	14.4
142.5°	0.0	2.7	6.3	10.8	12.6
145°	0.0	2.7	5.4	9.0	10.8
147.5°	0.0	1.8	4.5	8.1	9.0
150°	0.0	1.8	3.6	6.3	7.2
152.5°	0.0	1.8	3.6	5.4	6.3
155°	0.0	1.8	2.7	4.5	5.4
157.5°	0.0	1.8	2.7	3.6	4.5
160°	0.0	0.9	1.8	2.7	3.6
162.5°	0.0	0.9	1.8	2.7	3.6
165°	0.0	0.9	1.8	1.8	2.7
167.5°	0.0	0.9	1.8	1.8	1.8
170°	0.0	0.9	0.9	1.8	0.9
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)