

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: P406597

Luminaire Tested: **4SLSTP2050DD-UNV**

Issue Date: 08/06/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P406597  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 08/06/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLSTP2050DD-UNV  
Description: 4FT LENSED LED STRIPLIGHT  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)  
Light Source: (50) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

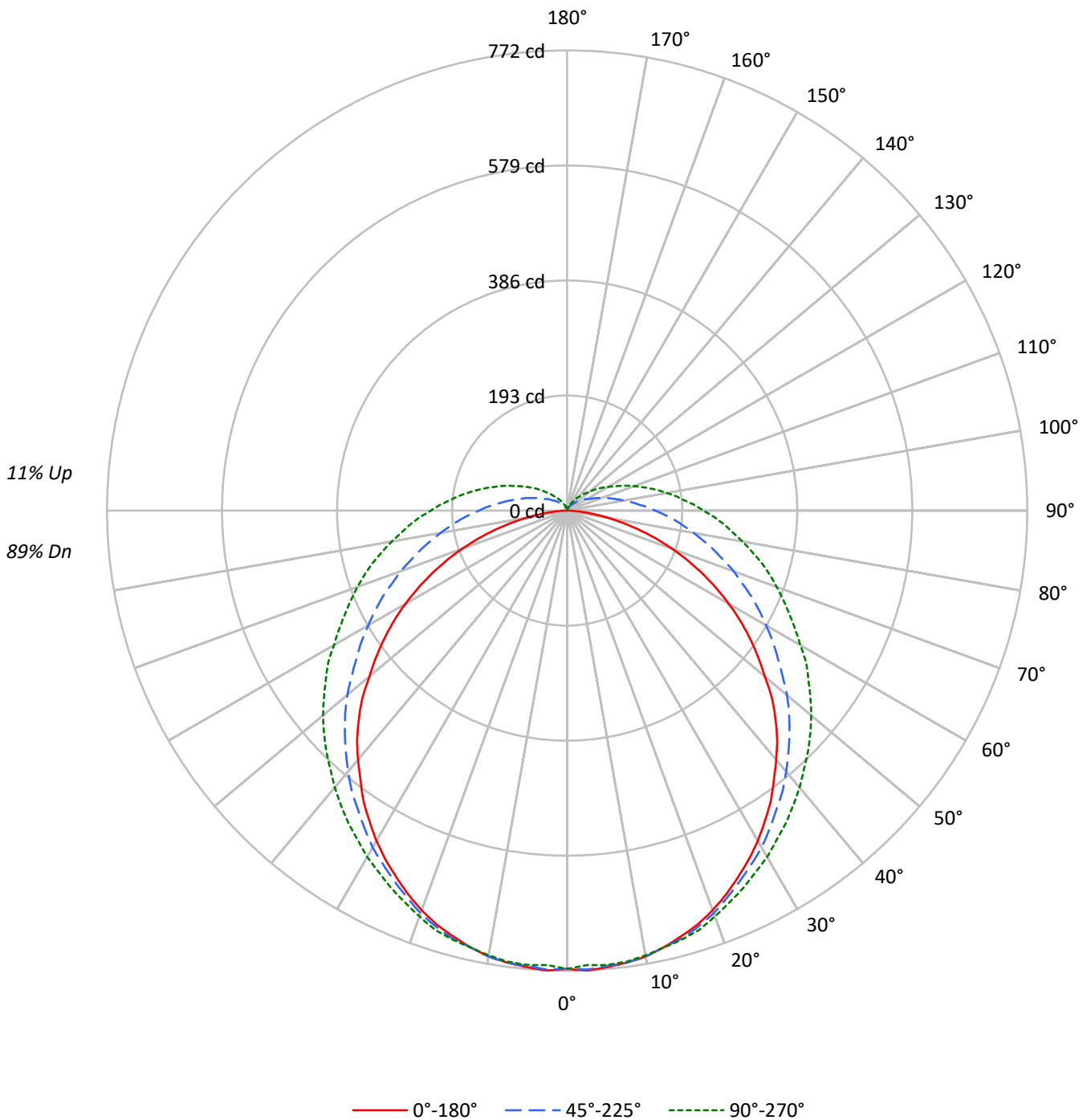
Lumens per Lamp: N/A  
Luminaire Lumens: 2856.5 lumens  
Efficiency: N/A  
Efficacy: 127.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 22.4  
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	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°	12413	12413	12413
5°	12438	12042	11881
10°	12408	11694	11416
15°	12289	11304	10979
20°	12167	10894	10532
25°	11969	10427	10094
30°	11785	10033	9709
35°	11569	9591	9339
40°	11304	9202	9005
45°	11052	8799	8700
50°	10618	8400	8414
55°	10232	7958	8114
60°	9768	7596	7817
65°	9168	7281	7579
70°	8394	6964	7444
75°	7258	6684	7344
80°	5671	6493	7241
85°	3307	6426	7272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.9	2.6
10°-20°	209.4	7.3
20°-30°	316.8	11.1
30°-40°	384.8	13.5
40°-50°	409.0	14.3
50°-60°	387.9	13.6
60°-70°	332.9	11.7
70°-80°	258.0	9.0
80°-90°	180.6	6.3
90°-100°	121.4	4.3
100°-110°	79.2	2.8
110°-120°	48.9	1.7
120°-130°	28.5	1.0
130°-140°	15.2	0.5
140°-150°	7.3	0.3
150°-160°	2.9	0.1
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	599.1	21.0
0°-40°	983.9	34.4
0°-60°	1780.8	62.3
0°-90°	2552.3	89.4
90°-120°	249.5	8.7
90°-150°	300.4	10.5
90°-180°	304.0	10.6
0°-180°	2856.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	769	769	767	763	765	73
15°	739	741	743	741	745	209
25°	678	680	686	693	699	313
35°	596	597	612	630	640	372
45°	494	502	527	559	572	381
55°	374	389	431	479	494	335
65°	251	278	341	393	411	248
75°	125	175	254	313	337	133
85°	22	92	181	242	264	28
90°	2	64	148	208	229	2
95°	0	44	120	177	197	0
105°	0	22	77	125	144	0
115°	0	13	48	85	98	0
125°	0	9	30	54	64	0
135°	0	6	18	33	39	0
145°	0	6	11	18	22	0
155°	0	4	6	9	11	0
165°	0	2	4	4	6	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°	768.8	768.8	768.8	768.8	768.8
2.5°	772.5	772.5	770.6	765.1	763.3
5°	768.8	768.8	766.9	763.3	765.1
7.5°	765.1	765.1	765.1	761.4	763.3
10°	759.6	759.6	759.6	754.0	757.7
12.5°	750.4	752.2	750.4	748.5	750.4
15°	739.3	741.1	743.0	741.1	744.8
17.5°	728.2	728.2	731.9	733.8	737.4
20°	713.5	715.3	719.0	720.9	724.5
22.5°	696.9	696.9	702.4	706.1	711.6
25°	678.4	680.3	685.8	693.2	698.7
27.5°	660.0	661.9	669.2	678.4	684.0
30°	639.7	641.6	652.6	663.7	671.1
32.5°	617.6	619.5	632.4	647.1	654.5
35°	595.5	597.3	612.1	630.5	639.7
37.5°	569.7	575.2	593.6	613.9	623.1
40°	545.7	551.2	571.5	595.5	606.5
42.5°	521.7	527.3	549.4	578.9	588.1
45°	494.1	501.5	527.3	558.6	571.5
47.5°	466.4	475.7	505.1	538.3	553.1
50°	433.2	444.3	481.2	518.1	534.6
52.5°	403.8	416.7	455.4	499.6	514.4
55°	374.3	389.0	431.4	479.3	494.1
57.5°	344.8	361.3	409.3	455.4	475.7
60°	313.4	333.7	385.3	433.2	451.7
62.5°	282.1	306.0	363.2	413.0	431.4
65°	250.7	278.4	341.1	392.7	411.1
67.5°	219.4	252.6	317.1	372.4	392.7
70°	188.0	224.9	296.8	354.0	374.3
72.5°	156.7	199.1	274.7	333.7	355.8
75°	125.4	175.1	254.4	313.4	337.4
77.5°	95.9	151.2	234.1	295.0	317.1
80°	68.2	130.9	215.7	276.5	298.7
82.5°	44.2	110.6	197.3	258.1	280.2
85°	22.1	92.2	180.7	241.5	263.6
87.5°	7.4	77.4	164.1	224.9	247.0
90°	1.8	64.5	147.5	208.3	228.6
92.5°	0.0	53.5	134.6	193.6	213.9
95°	0.0	44.2	119.8	177.0	197.3
97.5°	0.0	36.9	108.8	164.1	184.4
100°	0.0	31.3	97.7	149.3	169.6
102.5°	0.0	25.8	86.6	138.3	156.7
105°	0.0	22.1	77.4	125.4	143.8
107.5°	0.0	18.4	70.1	114.3	130.9
110°	0.0	16.6	60.8	103.2	119.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.7	55.3	94.0	108.8
115°	0.0	12.9	47.9	84.8	97.7
117.5°	0.0	11.1	42.4	75.6	88.5
120°	0.0	11.1	38.7	68.2	79.3
122.5°	0.0	9.2	35.0	60.8	71.9
125°	0.0	9.2	29.5	53.5	64.5
127.5°	0.0	7.4	27.7	47.9	57.2
130°	0.0	7.4	24.0	42.4	49.8
132.5°	0.0	5.5	22.1	36.9	44.2
135°	0.0	5.5	18.4	33.2	38.7
137.5°	0.0	5.5	16.6	29.5	33.2
140°	0.0	5.5	14.7	25.8	29.5
142.5°	0.0	5.5	12.9	22.1	25.8
145°	0.0	5.5	11.1	18.4	22.1
147.5°	0.0	3.7	9.2	16.6	18.4
150°	0.0	3.7	7.4	12.9	14.7
152.5°	0.0	3.7	7.4	11.1	12.9
155°	0.0	3.7	5.5	9.2	11.1
157.5°	0.0	3.7	5.5	7.4	9.2
160°	0.0	1.8	3.7	5.5	7.4
162.5°	0.0	1.8	3.7	5.5	7.4
165°	0.0	1.8	3.7	3.7	5.5
167.5°	0.0	1.8	3.7	3.7	3.7
170°	0.0	1.8	1.8	3.7	1.8
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)