

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: P402670

Luminaire Tested: **4SLSTP5535DD-UNV**

Issue Date: 06/24/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402670  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 06/24/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLSTP5535DD-UNV  
Description: 4FT LENSED LED STRIPLIGHT  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)  
Light Source: (95) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

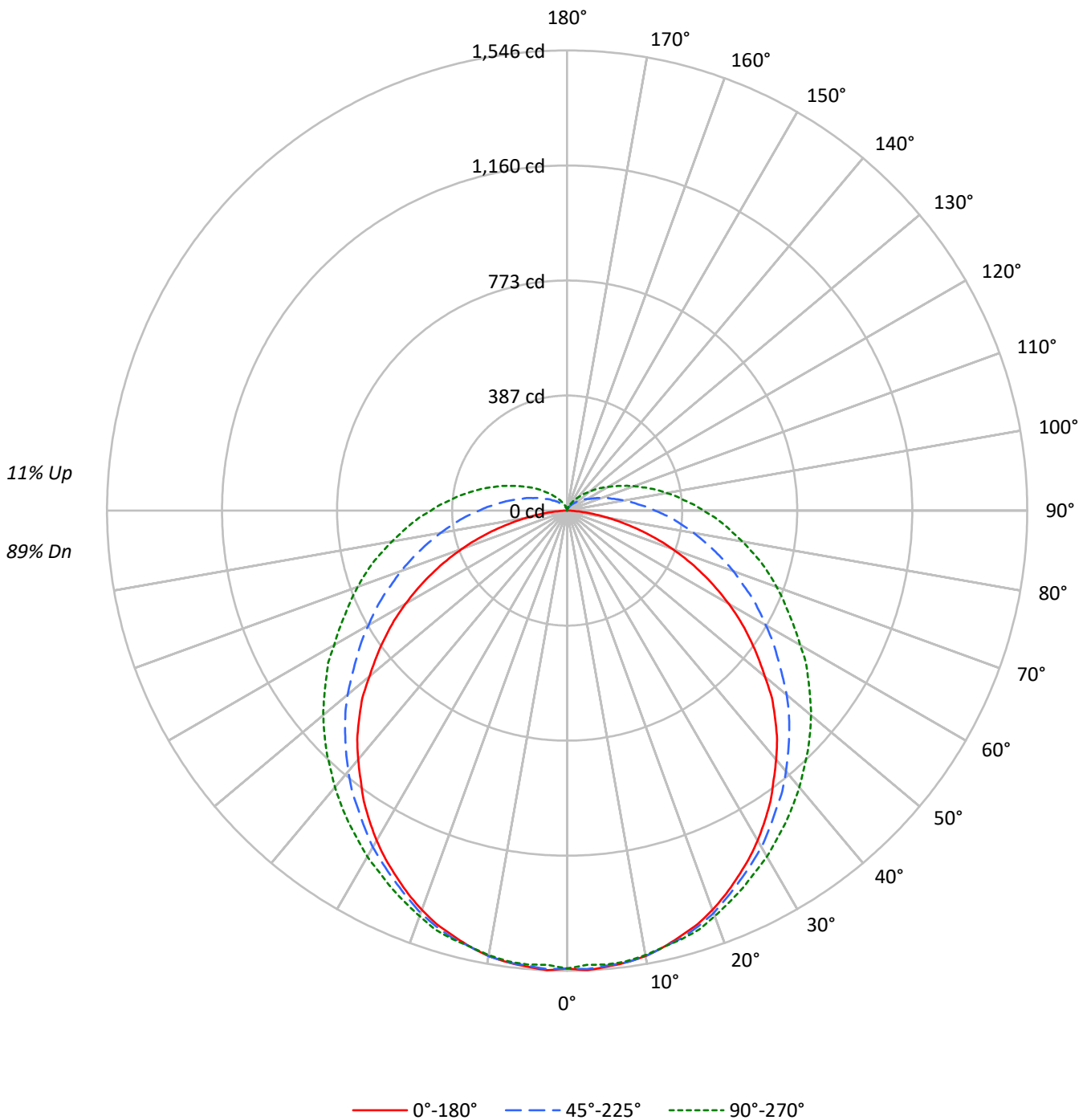
Lumens per Lamp: N/A  
Luminaire Lumens: 5715.8 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 46.9  
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°	24837	24837	24837
5°	24887	24096	23772
10°	24827	23399	22844
15°	24590	22619	21968
20°	24344	21798	21075
25°	23951	20864	20198
30°	23582	20078	19427
35°	23147	19191	18688
40°	22618	18413	18021
45°	22113	17606	17408
50°	21248	16807	16838
55°	20472	15923	16235
60°	19545	15201	15640
65°	18347	14568	15166
70°	16802	13936	14894
75°	14517	13375	14694
80°	11351	12993	14487
85°	6628	12855	14553



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	2.6
10°-20°	418.9	7.3
20°-30°	634.0	11.1
30°-40°	770.0	13.5
40°-50°	818.4	14.3
50°-60°	776.1	13.6
60°-70°	666.2	11.7
70°-80°	516.2	9.0
80°-90°	361.4	6.3
90°-100°	242.9	4.2
100°-110°	158.5	2.8
110°-120°	97.8	1.7
120°-130°	56.9	1.0
130°-140°	30.3	0.5
140°-150°	14.7	0.3
150°-160°	5.7	0.1
160°-170°	1.8	0.0
170°-180°	0.1	0.0
0°-30°	1198.8	21.0
0°-40°	1968.8	34.4
0°-60°	3563.3	62.3
0°-90°	5107.1	89.4
90°-120°	499.1	8.7
90°-150°	601.1	10.5
90°-180°	609.0	10.7
0°-180°	5715.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1538	1538	1538	1538	1538	
5°	1538	1538	1535	1527	1531	146
15°	1479	1483	1487	1483	1490	418
25°	1358	1361	1372	1387	1398	626
35°	1192	1195	1225	1262	1280	744
45°	989	1003	1055	1118	1144	761
55°	749	778	863	959	989	669
65°	502	557	682	786	823	496
75°	251	350	509	627	675	267
85°	44	184	362	483	528	57
90°	4	129	295	417	457	3
95°	0	88	240	354	395	0
105°	0	44	155	251	288	0
115°	0	26	96	170	196	0
125°	0	18	59	107	129	0
135°	0	11	37	66	78	0
145°	0	11	22	37	44	0
155°	0	7	11	18	22	0
165°	0	4	7	7	11	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°	1538.3	1538.3	1538.3	1538.3	1538.3
2.5°	1545.7	1545.7	1542.0	1530.9	1527.2
5°	1538.3	1538.3	1534.6	1527.2	1530.9
7.5°	1530.9	1530.9	1530.9	1523.5	1527.2
10°	1519.9	1519.9	1519.9	1508.8	1516.2
12.5°	1501.4	1505.1	1501.4	1497.7	1501.4
15°	1479.3	1483.0	1486.7	1483.0	1490.3
17.5°	1457.1	1457.1	1464.5	1468.2	1475.6
20°	1427.6	1431.3	1438.7	1442.4	1449.8
22.5°	1394.4	1394.4	1405.5	1412.9	1423.9
25°	1357.5	1361.2	1372.3	1387.1	1398.1
27.5°	1320.7	1324.3	1339.1	1357.5	1368.6
30°	1280.1	1283.8	1305.9	1328.0	1342.8
32.5°	1235.8	1239.5	1265.3	1294.8	1309.6
35°	1191.5	1195.2	1224.7	1261.6	1280.1
37.5°	1139.9	1151.0	1187.8	1228.4	1246.9
40°	1091.9	1103.0	1143.6	1191.5	1213.7
42.5°	1044.0	1055.0	1099.3	1158.3	1176.8
45°	988.6	1003.4	1055.0	1117.8	1143.6
47.5°	933.3	951.8	1010.8	1077.2	1106.7
50°	866.9	889.0	962.8	1036.6	1069.8
52.5°	807.9	833.7	911.2	999.7	1029.2
55°	748.9	778.4	863.2	959.1	988.6
57.5°	689.8	723.0	819.0	911.2	951.8
60°	627.1	667.7	771.0	866.9	903.8
62.5°	564.4	612.4	726.7	826.3	863.2
65°	501.7	557.0	682.5	785.8	822.6
67.5°	439.0	505.4	634.5	745.2	785.8
70°	376.3	450.1	593.9	708.3	748.9
72.5°	313.6	398.4	549.7	667.7	712.0
75°	250.8	350.5	509.1	627.1	675.1
77.5°	191.8	302.5	468.5	590.2	634.5
80°	136.5	261.9	431.6	553.3	597.6
82.5°	88.5	221.3	394.7	516.5	560.7
85°	44.3	184.4	361.5	483.3	527.5
87.5°	14.8	154.9	328.3	450.1	494.3
90°	3.7	129.1	295.1	416.9	457.4
92.5°	0.0	107.0	269.3	387.3	427.9
95°	0.0	88.5	239.8	354.1	394.7
97.5°	0.0	73.8	217.6	328.3	368.9
100°	0.0	62.7	195.5	298.8	339.4
102.5°	0.0	51.6	173.4	276.7	313.6
105°	0.0	44.3	154.9	250.8	287.7
107.5°	0.0	36.9	140.2	228.7	261.9
110°	0.0	33.2	121.7	206.6	239.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.5	110.7	188.1	217.6
115°	0.0	25.8	95.9	169.7	195.5
117.5°	0.0	22.1	84.8	151.2	177.1
120°	0.0	22.1	77.5	136.5	158.6
122.5°	0.0	18.4	70.1	121.7	143.9
125°	0.0	18.4	59.0	107.0	129.1
127.5°	0.0	14.8	55.3	95.9	114.4
130°	0.0	14.8	48.0	84.8	99.6
132.5°	0.0	11.1	44.3	73.8	88.5
135°	0.0	11.1	36.9	66.4	77.5
137.5°	0.0	11.1	33.2	59.0	66.4
140°	0.0	11.1	29.5	51.6	59.0
142.5°	0.0	11.1	25.8	44.3	51.6
145°	0.0	11.1	22.1	36.9	44.3
147.5°	0.0	7.4	18.4	33.2	36.9
150°	0.0	7.4	14.8	25.8	29.5
152.5°	0.0	7.4	14.8	22.1	25.8
155°	0.0	7.4	11.1	18.4	22.1
157.5°	0.0	7.4	11.1	14.8	18.4
160°	0.0	3.7	7.4	11.1	14.8
162.5°	0.0	3.7	7.4	11.1	14.8
165°	0.0	3.7	7.4	7.4	11.1
167.5°	0.0	3.7	7.4	7.4	7.4
170°	0.0	3.7	3.7	7.4	3.7
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)