

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: P402671

Luminaire Tested: **4SLSTP5540DD-UNV**

Issue Date: 06/24/2020

Test Information

Test Method: LM-79-08
Report Number: P402671
Test Lab: INNOVATION CENTER-P2
Issue Date: 06/24/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SLSTP5540DD-UNV
Description: 4FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (95) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

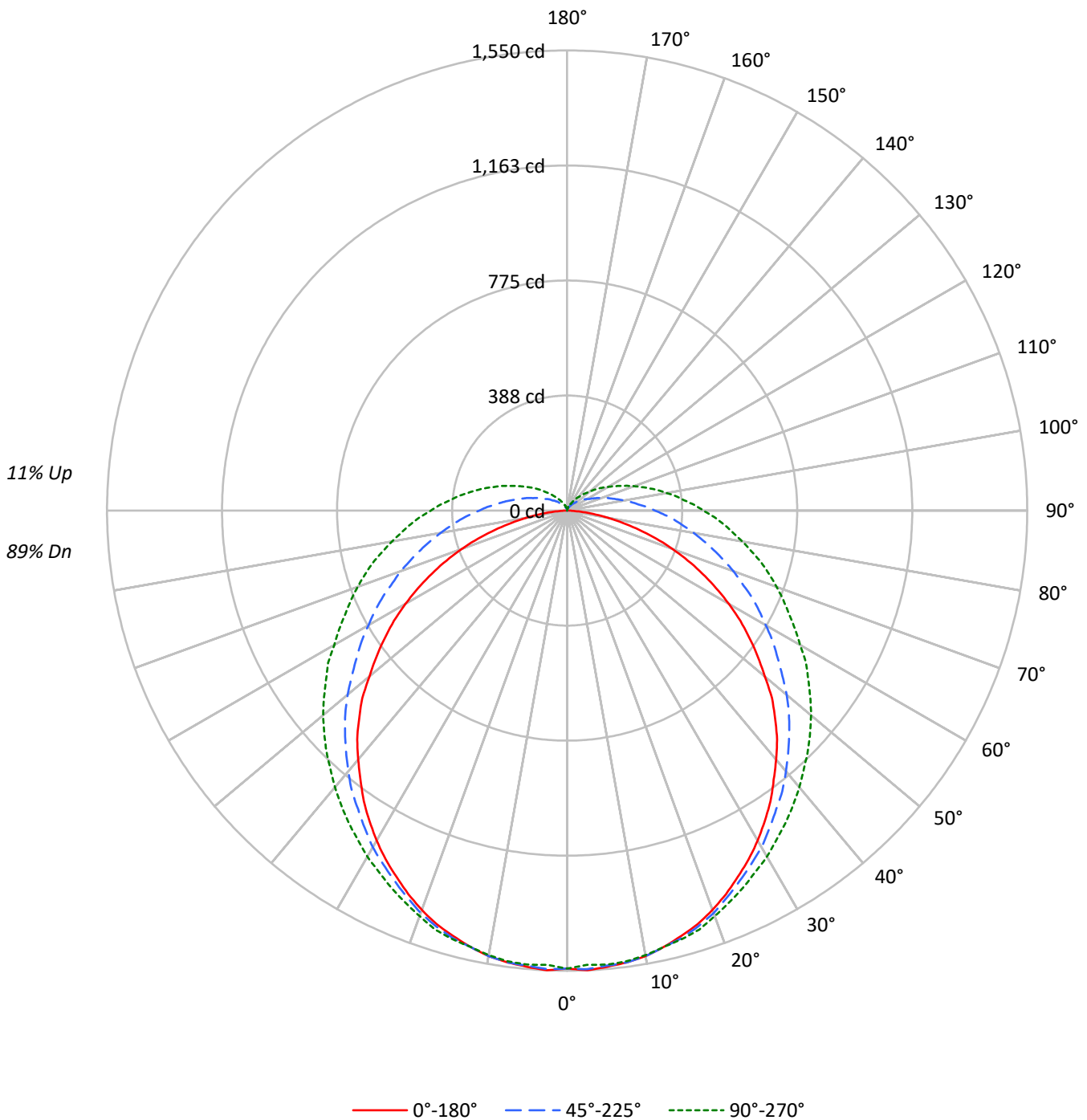
Lumens per Lamp: N/A
Luminaire Lumens: 5731.3 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 46.8
Input Voltage (V): 120
Input Current (Ain): 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: P402671
CATALOG NUMBER: 4SLSTP5540DD-UNV

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°	24905	24905	24905
5°	24955	24162	23837
10°	24894	23462	22906
15°	24656	22680	22028
20°	24411	21857	21132
25°	24016	20921	20253
30°	23645	20131	19479
35°	23211	19244	18738
40°	22681	18463	18070
45°	22173	17654	17456
50°	21306	16853	16884
55°	20527	15968	16280
60°	19598	15242	15682
65°	18399	14607	15208
70°	16847	13973	14933
75°	14557	13412	14734
80°	11384	13029	14525
85°	6643	12891	14594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	2.6
10°-20°	420.1	7.3
20°-30°	635.7	11.1
30°-40°	772.1	13.5
40°-50°	820.7	14.3
50°-60°	778.2	13.6
60°-70°	668.0	11.7
70°-80°	517.6	9.0
80°-90°	362.4	6.3
90°-100°	243.6	4.3
100°-110°	158.9	2.8
110°-120°	98.0	1.7
120°-130°	57.1	1.0
130°-140°	30.4	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°	1202.1	21.0
0°-40°	1974.2	34.4
0°-60°	3573.0	62.3
0°-90°	5121.0	89.4
90°-120°	500.5	8.7
90°-150°	602.8	10.5
90°-180°	610.0	10.6
0°-180°	5731.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1542	1542	1539	1531	1535	147
15°	1483	1487	1491	1487	1494	419
25°	1361	1365	1376	1391	1402	628
35°	1195	1198	1228	1265	1284	746
45°	991	1006	1058	1121	1147	764
55°	751	780	866	962	991	671
65°	503	558	684	788	825	498
75°	252	351	510	629	677	268
85°	44	185	362	485	529	57
90°	4	130	296	418	459	3
95°	0	89	240	355	396	0
105°	0	44	155	252	288	0
115°	0	26	96	170	196	0
125°	0	18	59	107	130	0
135°	0	11	37	67	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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CATALOG NUMBER: 4SLSTP5540DD-UNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.5	1542.5	1542.5	1542.5	1542.5
2.5°	1549.9	1549.9	1546.2	1535.1	1531.4
5°	1542.5	1542.5	1538.8	1531.4	1535.1
7.5°	1535.1	1535.1	1535.1	1527.7	1531.4
10°	1524.0	1524.0	1524.0	1512.9	1520.3
12.5°	1505.5	1509.2	1505.5	1501.8	1505.5
15°	1483.3	1487.0	1490.7	1487.0	1494.4
17.5°	1461.1	1461.1	1468.5	1472.2	1479.6
20°	1431.5	1435.2	1442.6	1446.3	1453.7
22.5°	1398.2	1398.2	1409.3	1416.7	1427.8
25°	1361.2	1364.9	1376.0	1390.8	1401.9
27.5°	1324.2	1327.9	1342.7	1361.2	1372.3
30°	1283.5	1287.2	1309.4	1331.6	1346.4
32.5°	1239.2	1242.9	1268.7	1298.3	1313.1
35°	1194.8	1198.5	1228.1	1265.0	1283.5
37.5°	1143.0	1154.1	1191.1	1231.8	1250.3
40°	1094.9	1106.0	1146.7	1194.8	1217.0
42.5°	1046.8	1057.9	1102.3	1161.5	1180.0
45°	991.3	1006.1	1057.9	1120.8	1146.7
47.5°	935.8	954.3	1013.5	1080.1	1109.7
50°	869.3	891.5	965.4	1039.4	1072.7
52.5°	810.1	836.0	913.6	1002.4	1032.0
55°	750.9	780.5	865.6	961.7	991.3
57.5°	691.7	725.0	821.2	913.6	954.3
60°	628.8	669.5	773.1	869.3	906.2
62.5°	565.9	614.0	728.7	828.6	865.6
65°	503.1	558.5	684.3	787.9	824.9
67.5°	440.2	506.8	636.2	747.2	787.9
70°	377.3	451.3	595.5	710.2	750.9
72.5°	314.4	399.5	551.1	669.5	713.9
75°	251.5	351.4	510.5	628.8	676.9
77.5°	192.3	303.3	469.8	591.8	636.2
80°	136.9	262.6	432.8	554.8	599.2
82.5°	88.8	221.9	395.8	517.9	562.2
85°	44.4	184.9	362.5	484.6	529.0
87.5°	14.8	155.4	329.2	451.3	495.7
90°	3.7	129.5	295.9	418.0	458.7
92.5°	0.0	107.3	270.0	388.4	429.1
95°	0.0	88.8	240.4	355.1	395.8
97.5°	0.0	74.0	218.2	329.2	369.9
100°	0.0	62.9	196.0	299.6	340.3
102.5°	0.0	51.8	173.9	277.4	314.4
105°	0.0	44.4	155.4	251.5	288.5
107.5°	0.0	37.0	140.6	229.3	262.6
110°	0.0	33.3	122.1	207.1	240.4



TEST NUMBER: P402671

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.6	111.0	188.6	218.2
115°	0.0	25.9	96.2	170.2	196.0
117.5°	0.0	22.2	85.1	151.7	177.6
120°	0.0	22.2	77.7	136.9	159.1
122.5°	0.0	18.5	70.3	122.1	144.3
125°	0.0	18.5	59.2	107.3	129.5
127.5°	0.0	14.8	55.5	96.2	114.7
130°	0.0	14.8	48.1	85.1	99.9
132.5°	0.0	11.1	44.4	74.0	88.8
135°	0.0	11.1	37.0	66.6	77.7
137.5°	0.0	11.1	33.3	59.2	66.6
140°	0.0	11.1	29.6	51.8	59.2
142.5°	0.0	11.1	25.9	44.4	51.8
145°	0.0	11.1	22.2	37.0	44.4
147.5°	0.0	7.4	18.5	33.3	37.0
150°	0.0	7.4	14.8	25.9	29.6
152.5°	0.0	7.4	14.8	22.2	25.9
155°	0.0	7.4	11.1	18.5	22.2
157.5°	0.0	7.4	11.1	14.8	18.5
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)