

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: P406599

Luminaire Tested: **4SLSTP5550DD-UNV**

Issue Date: 08/06/2020

Test Information

Test Method: LM-79-08
Report Number: P406599
Test Lab: INNOVATION CENTER-P2
Issue Date: 08/06/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SLSTP5550DD-UNV
Description: 4FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (95) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

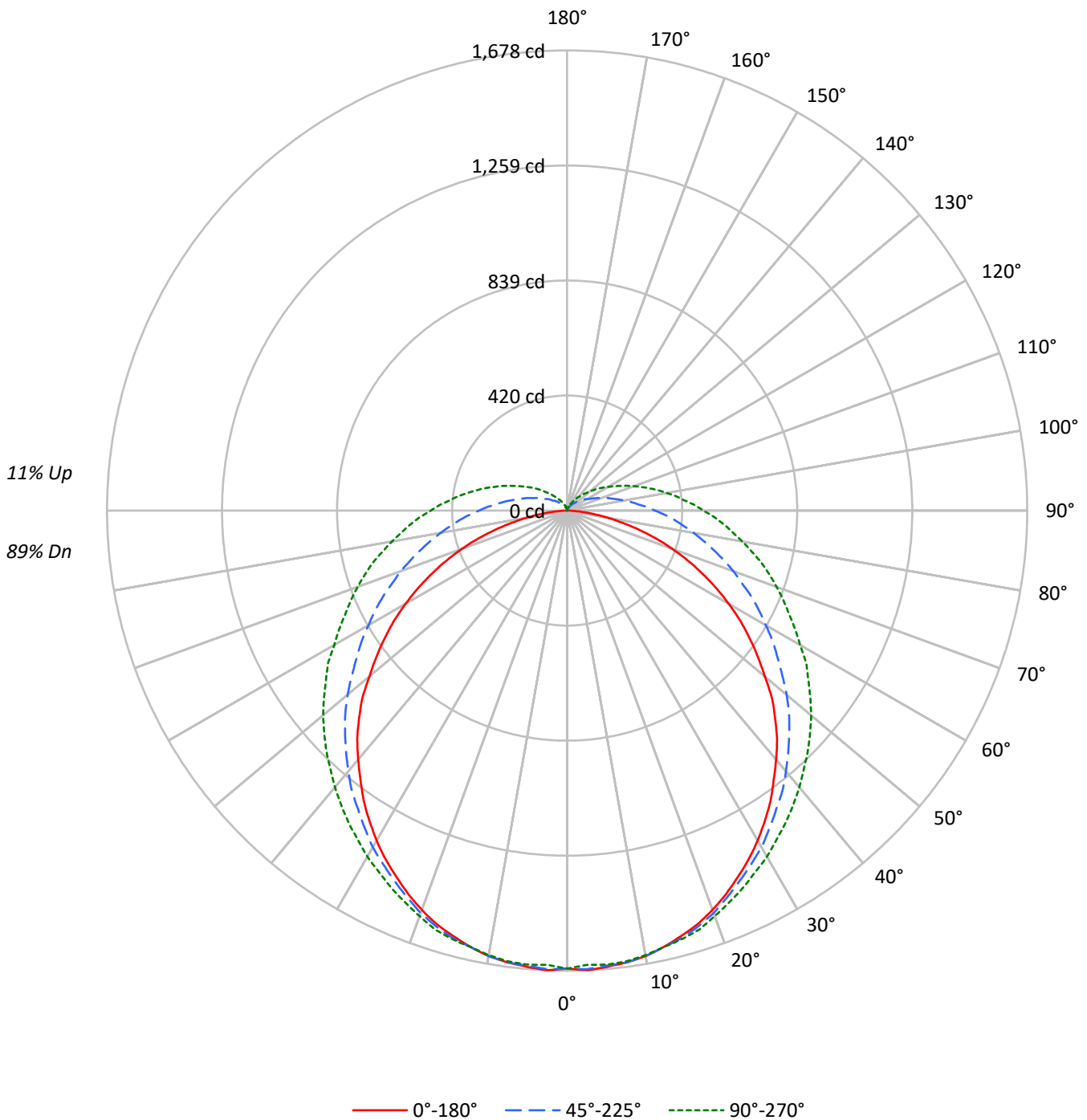
Lumens per Lamp: N/A
Luminaire Lumens: 6204.8 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 49.4
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



TEST NUMBER: P406599
CATALOG NUMBER: 4SLSTP5550DD-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	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26962	26962	26962
5°	27016	26157	25806
10°	26951	25401	24798
15°	26693	24552	23849
20°	26428	23663	22878
25°	26001	22649	21926
30°	25599	21795	21089
35°	25129	20833	20287
40°	24555	19988	19562
45°	24005	19113	18897
50°	23066	18246	18278
55°	22222	17287	17625
60°	21219	16502	16978
65°	19916	15813	16464
70°	18240	15128	16166
75°	15761	14518	15950
80°	12324	14104	15725
85°	7197	13954	15800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.4	2.6
10°-20°	454.8	7.3
20°-30°	688.2	11.1
30°-40°	835.9	13.5
40°-50°	888.5	14.3
50°-60°	842.5	13.6
60°-70°	723.1	11.7
70°-80°	560.3	9.0
80°-90°	392.4	6.3
90°-100°	263.7	4.3
100°-110°	172.0	2.8
110°-120°	106.1	1.7
120°-130°	61.8	1.0
130°-140°	32.9	0.5
140°-150°	15.9	0.3
150°-160°	6.2	0.1
160°-170°	1.9	0.0
170°-180°	0.1	0.0
0°-30°	1301.4	21.0
0°-40°	2137.3	34.4
0°-60°	3868.2	62.3
0°-90°	5544.0	89.4
90°-120°	541.9	8.7
90°-150°	652.5	10.5
90°-180°	661.0	10.7
0°-180°	6204.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1670	1670	1670	1670	1670	
5°	1670	1670	1666	1658	1662	159
15°	1606	1610	1614	1610	1618	453
25°	1474	1478	1490	1506	1518	679
35°	1294	1298	1330	1370	1390	808
45°	1073	1089	1145	1213	1241	827
55°	813	845	937	1041	1073	727
65°	545	605	741	853	893	539
75°	272	380	553	681	733	290
85°	48	200	392	525	573	62
90°	4	140	320	452	497	3
95°	0	96	260	384	428	0
105°	0	48	168	272	312	0
115°	0	28	104	184	212	0
125°	0	20	64	116	140	0
135°	0	12	40	72	84	0
145°	0	12	24	40	48	0
155°	0	8	12	20	24	0
165°	0	4	8	8	12	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P406599

CATALOG NUMBER: 4SLSTP5550DD-UNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1669.9	1669.9	1669.9	1669.9	1669.9
2.5°	1677.9	1677.9	1673.9	1661.9	1657.9
5°	1669.9	1669.9	1665.9	1657.9	1661.9
7.5°	1661.9	1661.9	1661.9	1653.9	1657.9
10°	1649.9	1649.9	1649.9	1637.9	1645.9
12.5°	1629.9	1633.9	1629.9	1625.9	1629.9
15°	1605.8	1609.8	1613.8	1609.8	1617.9
17.5°	1581.8	1581.8	1589.8	1593.8	1601.8
20°	1549.8	1553.8	1561.8	1565.8	1573.8
22.5°	1513.7	1513.7	1525.7	1533.8	1545.8
25°	1473.7	1477.7	1489.7	1505.7	1517.7
27.5°	1433.6	1437.6	1453.7	1473.7	1485.7
30°	1389.6	1393.6	1417.6	1441.6	1457.7
32.5°	1341.5	1345.5	1373.6	1405.6	1421.6
35°	1293.5	1297.5	1329.5	1369.6	1389.6
37.5°	1237.4	1249.4	1289.5	1333.5	1353.5
40°	1185.4	1197.4	1241.4	1293.5	1317.5
42.5°	1133.3	1145.3	1193.4	1257.4	1277.5
45°	1073.2	1089.2	1145.3	1213.4	1241.4
47.5°	1013.2	1033.2	1097.3	1169.3	1201.4
50°	941.1	965.1	1045.2	1125.3	1161.3
52.5°	877.0	905.0	989.1	1085.2	1117.3
55°	812.9	845.0	937.1	1041.2	1073.2
57.5°	748.9	784.9	889.0	989.1	1033.2
60°	680.8	724.8	837.0	941.1	981.1
62.5°	612.7	664.8	788.9	897.0	937.1
65°	544.6	604.7	740.8	853.0	893.0
67.5°	476.5	548.6	688.8	808.9	853.0
70°	408.5	488.6	644.7	768.9	812.9
72.5°	340.4	432.5	596.7	724.8	772.9
75°	272.3	380.4	552.6	680.8	732.8
77.5°	208.2	328.4	508.6	640.7	688.8
80°	148.2	284.3	468.5	600.7	648.7
82.5°	96.1	240.3	428.5	560.6	608.7
85°	48.1	200.2	392.4	524.6	572.7
87.5°	16.0	168.2	356.4	488.6	536.6
90°	4.0	140.2	320.4	452.5	496.6
92.5°	0.0	116.1	292.3	420.5	464.5
95°	0.0	96.1	260.3	384.4	428.5
97.5°	0.0	80.1	236.3	356.4	400.5
100°	0.0	68.1	212.2	324.4	368.4
102.5°	0.0	56.1	188.2	300.3	340.4
105°	0.0	48.1	168.2	272.3	312.4
107.5°	0.0	40.0	152.2	248.3	284.3
110°	0.0	36.0	132.2	224.3	260.3



TEST NUMBER: P406599

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.0	120.1	204.2	236.3
115°	0.0	28.0	104.1	184.2	212.2
117.5°	0.0	24.0	92.1	164.2	192.2
120°	0.0	24.0	84.1	148.2	172.2
122.5°	0.0	20.0	76.1	132.2	156.2
125°	0.0	20.0	64.1	116.1	140.2
127.5°	0.0	16.0	60.1	104.1	124.1
130°	0.0	16.0	52.1	92.1	108.1
132.5°	0.0	12.0	48.1	80.1	96.1
135°	0.0	12.0	40.0	72.1	84.1
137.5°	0.0	12.0	36.0	64.1	72.1
140°	0.0	12.0	32.0	56.1	64.1
142.5°	0.0	12.0	28.0	48.1	56.1
145°	0.0	12.0	24.0	40.0	48.1
147.5°	0.0	8.0	20.0	36.0	40.0
150°	0.0	8.0	16.0	28.0	32.0
152.5°	0.0	8.0	16.0	24.0	28.0
155°	0.0	8.0	12.0	20.0	24.0
157.5°	0.0	8.0	12.0	16.0	20.0
160°	0.0	4.0	8.0	12.0	16.0
162.5°	0.0	4.0	8.0	12.0	16.0
165°	0.0	4.0	8.0	8.0	12.0
167.5°	0.0	4.0	8.0	8.0	8.0
170°	0.0	4.0	4.0	8.0	4.0
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)