

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: P406601

Luminaire Tested: **8SLSTP11050DD-UNV**

Issue Date: 08/06/2020

Test Information

Test Method: LM-79-08
Report Number: P406601
Test Lab: INNOVATION CENTER-P2
Issue Date: 08/06/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SLSTP11050DD-UNV
Description: 8FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (190) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12409.6 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: 8' x H: 0.08')
CIE Type: Semi-Direct

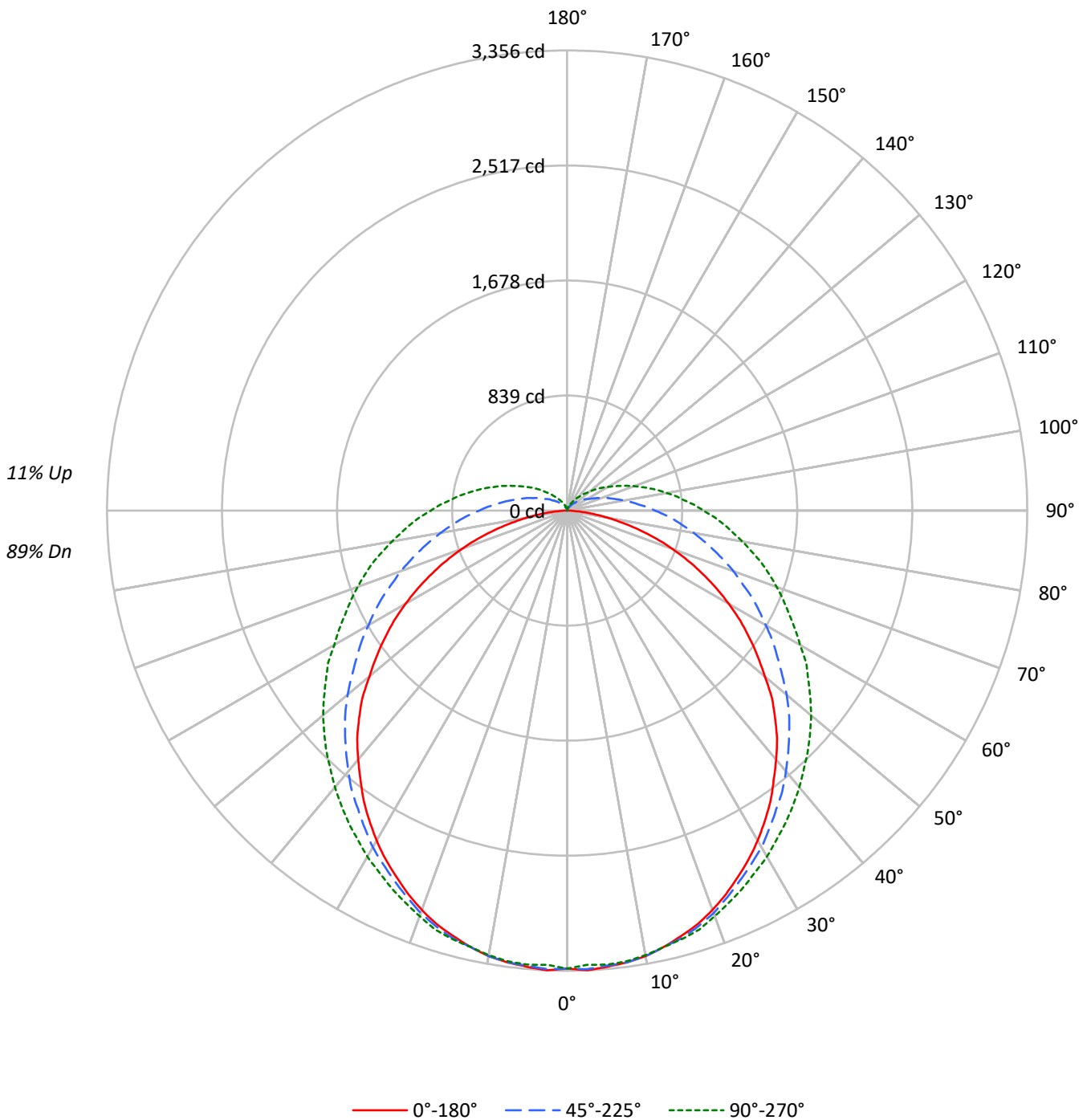
Input Watts (W): 98.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	117	117	117	117	113	113	113	113	105	105	105	98	98	98	92	92	92	89				89
1	104	98	93	89	100	95	90	86	89	85	81	83	80	77	78	75	73	70				70
2	94	85	77	70	90	82	75	69	76	71	66	71	67	62	67	63	59	57				57
3	85	74	65	58	82	71	63	56	67	60	54	62	57	52	58	54	50	47				47
4	78	65	56	48	74	63	54	47	59	51	46	55	49	44	52	47	42	40				40
5	71	58	48	41	68	56	47	41	53	45	39	49	43	38	47	41	36	34				34
6	66	52	43	36	63	50	42	35	47	40	34	45	38	33	42	36	32	29				29
7	61	47	38	31	58	45	37	31	43	35	30	41	34	29	38	33	28	26				26
8	56	43	34	28	54	41	33	28	39	32	27	37	31	26	35	29	25	23				23
9	53	39	31	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21				21
10	49	36	28	23	48	35	27	22	33	26	22	32	25	21	30	25	21	19				19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26962	26962	26962
5°	27040	26174	25806
10°	27000	25432	24798
15°	26768	24597	23848
20°	26527	23719	22878
25°	26127	22716	21926
30°	25752	21872	21088
35°	25311	20919	20287
40°	24767	20083	19562
45°	24254	19216	18897
50°	23349	18358	18279
55°	22549	17406	17626
60°	21595	16630	16978
65°	20351	15955	16464
70°	18745	15283	16167
75°	16351	14690	15951
80°	13007	14299	15726
85°	7954	14185	15798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.8	2.6
10°-20°	909.5	7.3
20°-30°	1376.5	11.1
30°-40°	1671.7	13.5
40°-50°	1776.9	14.3
50°-60°	1685.0	13.6
60°-70°	1446.3	11.7
70°-80°	1120.7	9.0
80°-90°	784.7	6.3
90°-100°	527.4	4.3
100°-110°	344.1	2.8
110°-120°	212.3	1.7
120°-130°	123.6	1.0
130°-140°	65.8	0.5
140°-150°	31.8	0.3
150°-160°	12.4	0.1
160°-170°	3.9	0.0
170°-180°	0.2	0.0
0°-30°	2602.8	21.0
0°-40°	4274.5	34.4
0°-60°	7736.4	62.3
0°-90°	11088.1	89.4
90°-120°	1083.7	8.7
90°-150°	1305.0	10.5
90°-180°	1321.0	10.6
0°-180°	12409.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3340	3340	3340	3340	3340	
5°	3340	3340	3332	3316	3324	318
15°	3212	3220	3228	3220	3236	907
25°	2947	2955	2979	3011	3036	1359
35°	2587	2595	2659	2739	2779	1616
45°	2146	2178	2291	2427	2483	1653
55°	1626	1690	1874	2082	2146	1453
65°	1089	1209	1482	1706	1786	1078
75°	545	761	1105	1362	1466	579
85°	96	400	785	1049	1145	123
90°	8	280	641	905	993	7
95°	0	192	521	769	857	0
105°	0	96	336	545	625	0
115°	0	56	208	368	424	0
125°	0	40	128	232	280	0
135°	0	24	80	144	168	0
145°	0	24	48	80	96	0
155°	0	16	24	40	48	0
165°	0	8	16	16	24	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°	3339.8	3339.8	3339.8	3339.8	3339.8
2.5°	3355.8	3355.8	3347.8	3323.8	3315.8
5°	3339.8	3339.8	3331.8	3315.8	3323.8
7.5°	3323.8	3323.8	3323.8	3307.8	3315.8
10°	3299.8	3299.8	3299.8	3275.7	3291.8
12.5°	3259.7	3267.7	3259.7	3251.7	3259.7
15°	3211.7	3219.7	3227.7	3219.7	3235.7
17.5°	3163.6	3163.6	3179.6	3187.6	3203.7
20°	3099.5	3107.6	3123.6	3131.6	3147.6
22.5°	3027.5	3027.5	3051.5	3067.5	3091.5
25°	2947.4	2955.4	2979.4	3011.4	3035.5
27.5°	2867.3	2875.3	2907.3	2947.4	2971.4
30°	2779.2	2787.2	2835.2	2883.3	2915.3
32.5°	2683.1	2691.1	2747.1	2811.2	2843.3
35°	2587.0	2595.0	2659.0	2739.1	2779.2
37.5°	2474.8	2498.9	2578.9	2667.1	2707.1
40°	2370.7	2394.7	2482.8	2587.0	2635.0
42.5°	2266.6	2290.6	2386.7	2514.9	2554.9
45°	2146.5	2178.5	2290.6	2426.8	2482.8
47.5°	2026.3	2066.4	2194.5	2338.7	2402.7
50°	1882.2	1930.2	2090.4	2250.6	2322.7
52.5°	1754.0	1810.1	1978.3	2170.5	2234.6
55°	1625.9	1689.9	1874.1	2082.4	2146.5
57.5°	1497.7	1569.8	1778.0	1978.3	2066.4
60°	1361.6	1449.7	1673.9	1882.2	1962.2
62.5°	1225.4	1329.5	1577.8	1794.1	1874.1
65°	1089.2	1209.4	1481.7	1706.0	1786.0
67.5°	953.1	1097.3	1377.6	1617.9	1706.0
70°	816.9	977.1	1289.5	1537.8	1625.9
72.5°	680.8	865.0	1193.4	1449.7	1545.8
75°	544.6	760.9	1105.3	1361.6	1465.7
77.5°	416.5	656.8	1017.2	1281.5	1377.6
80°	296.3	568.7	937.1	1201.4	1297.5
82.5°	192.2	480.5	857.0	1121.3	1217.4
85°	96.1	400.5	784.9	1049.2	1145.3
87.5°	32.0	336.4	712.8	977.1	1073.2
90°	8.0	280.3	640.7	905.0	993.1
92.5°	0.0	232.3	584.7	841.0	929.1
95°	0.0	192.2	520.6	768.9	857.0
97.5°	0.0	160.2	472.5	712.8	800.9
100°	0.0	136.2	424.5	648.7	736.8
102.5°	0.0	112.1	376.4	600.7	680.8
105°	0.0	96.1	336.4	544.6	624.7
107.5°	0.0	80.1	304.3	496.6	568.7
110°	0.0	72.1	264.3	448.5	520.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	64.1	240.3	408.5	472.5
115°	0.0	56.1	208.2	368.4	424.5
117.5°	0.0	48.1	184.2	328.4	384.4
120°	0.0	48.1	168.2	296.3	344.4
122.5°	0.0	40.0	152.2	264.3	312.4
125°	0.0	40.0	128.1	232.3	280.3
127.5°	0.0	32.0	120.1	208.2	248.3
130°	0.0	32.0	104.1	184.2	216.2
132.5°	0.0	24.0	96.1	160.2	192.2
135°	0.0	24.0	80.1	144.2	168.2
137.5°	0.0	24.0	72.1	128.1	144.2
140°	0.0	24.0	64.1	112.1	128.1
142.5°	0.0	24.0	56.1	96.1	112.1
145°	0.0	24.0	48.1	80.1	96.1
147.5°	0.0	16.0	40.0	72.1	80.1
150°	0.0	16.0	32.0	56.1	64.1
152.5°	0.0	16.0	32.0	48.1	56.1
155°	0.0	16.0	24.0	40.0	48.1
157.5°	0.0	16.0	24.0	32.0	40.0
160°	0.0	8.0	16.0	24.0	32.0
162.5°	0.0	8.0	16.0	24.0	32.0
165°	0.0	8.0	16.0	16.0	24.0
167.5°	0.0	8.0	16.0	16.0	16.0
170°	0.0	8.0	8.0	16.0	8.0
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)