

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: P402665

Luminaire Tested: **2SLSTP2035DD-UNV**

Issue Date: 06/24/2020

Test Information

Test Method: LM-79-08
Report Number: P402665
Test Lab: INNOVATION CENTER-P2
Issue Date: 06/24/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTP2035DD-UNV
Description: 2FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (45) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

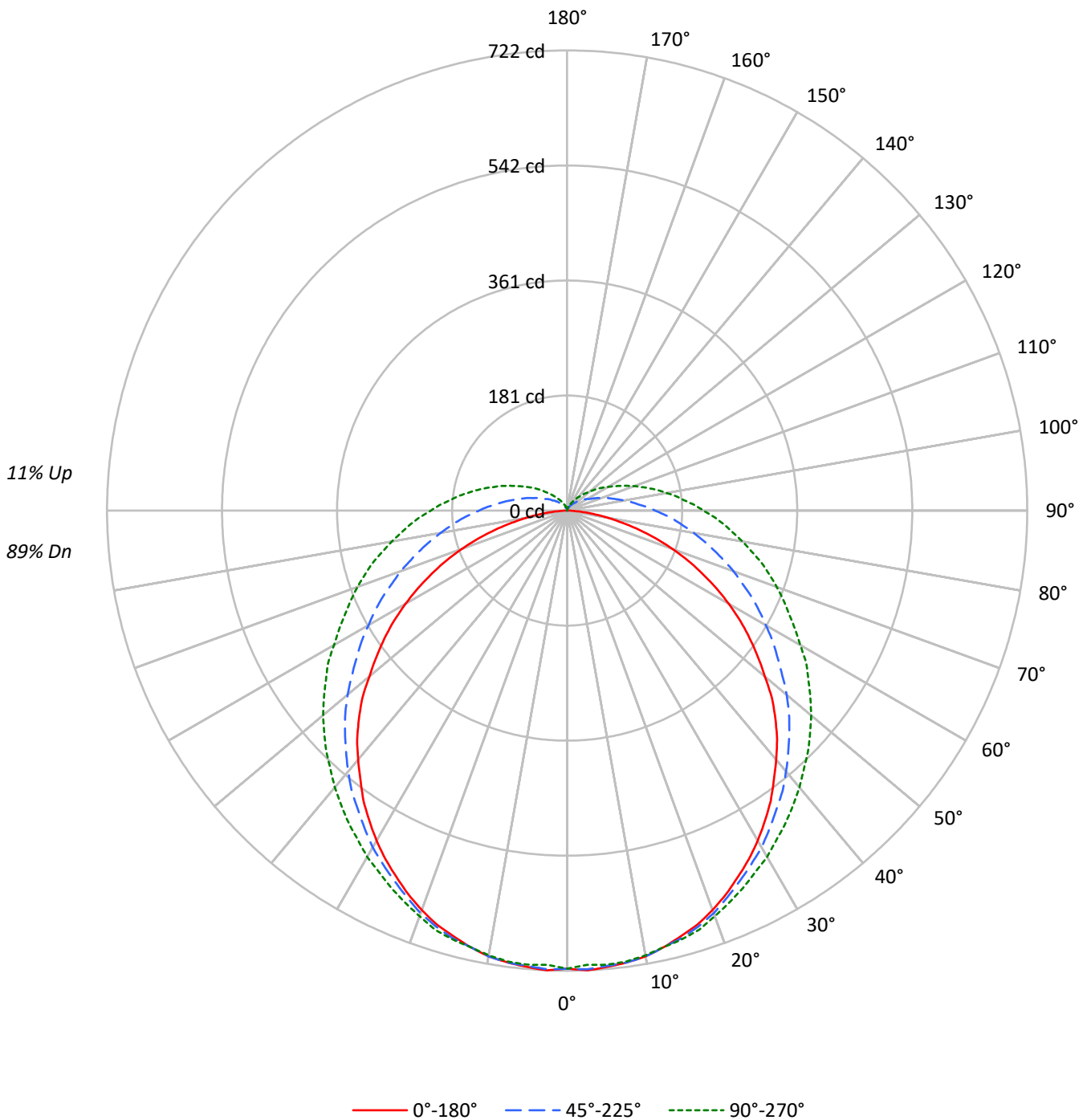
Lumens per Lamp: N/A
Luminaire Lumens: 2670.4 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 22.2
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



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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	25	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23208	23208	23208
5°	23212	22488	22212
10°	23114	21811	21346
15°	22849	21060	20528
20°	22578	20273	19691
25°	22166	19381	18873
30°	21774	18629	18151
35°	21323	17786	17461
40°	20780	17045	16837
45°	20250	16276	16267
50°	19383	15515	15733
55°	18593	14677	15171
60°	17649	13985	14616
65°	16441	13374	14170
70°	14893	12766	13917
75°	12655	12212	13730
80°	9597	11818	13536
85°	5195	11636	13601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	2.6
10°-20°	195.7	7.3
20°-30°	296.2	11.1
30°-40°	359.7	13.5
40°-50°	382.4	14.3
50°-60°	362.6	13.6
60°-70°	311.2	11.7
70°-80°	241.2	9.0
80°-90°	168.9	6.3
90°-100°	113.5	4.3
100°-110°	74.0	2.8
110°-120°	45.7	1.7
120°-130°	26.6	1.0
130°-140°	14.2	0.5
140°-150°	6.8	0.3
150°-160°	2.7	0.1
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	560.1	21.0
0°-40°	919.8	34.4
0°-60°	1664.8	62.3
0°-90°	2386.0	89.4
90°-120°	233.2	8.7
90°-150°	280.8	10.5
90°-180°	284.0	10.6
0°-180°	2670.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	719	719	717	714	715	68
15°	691	693	695	693	696	195
25°	634	636	641	648	653	292
35°	557	558	572	589	598	348
45°	462	469	493	522	534	356
55°	350	364	403	448	462	313
65°	234	260	319	367	384	232
75°	117	164	238	293	315	125
85°	21	86	169	226	246	26
90°	2	60	138	195	214	1
95°	0	41	112	166	184	0
105°	0	21	72	117	134	0
115°	0	12	45	79	91	0
125°	0	9	28	50	60	0
135°	0	5	17	31	36	0
145°	0	5	10	17	21	0
155°	0	3	5	9	10	0
165°	0	2	3	3	5	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°	718.7	718.7	718.7	718.7	718.7
2.5°	722.1	722.1	720.4	715.2	713.5
5°	718.7	718.7	717.0	713.5	715.2
7.5°	715.2	715.2	715.2	711.8	713.5
10°	710.1	710.1	710.1	704.9	708.4
12.5°	701.5	703.2	701.5	699.7	701.5
15°	691.1	692.8	694.6	692.8	696.3
17.5°	680.8	680.8	684.2	685.9	689.4
20°	667.0	668.7	672.2	673.9	677.3
22.5°	651.5	651.5	656.6	660.1	665.3
25°	634.2	636.0	641.1	648.0	653.2
27.5°	617.0	618.7	625.6	634.2	639.4
30°	598.0	599.8	610.1	620.5	627.3
32.5°	577.4	579.1	591.2	604.9	611.8
35°	556.7	558.4	572.2	589.4	598.0
37.5°	532.6	537.7	555.0	573.9	582.5
40°	510.2	515.3	534.3	556.7	567.0
42.5°	487.7	492.9	513.6	541.2	549.8
45°	461.9	468.8	492.9	522.2	534.3
47.5°	436.0	444.7	472.2	503.3	517.0
50°	405.0	415.4	449.8	484.3	499.8
52.5°	377.4	389.5	425.7	467.1	480.9
55°	349.9	363.7	403.3	448.1	461.9
57.5°	322.3	337.8	382.6	425.7	444.7
60°	293.0	312.0	360.2	405.0	422.3
62.5°	263.7	286.1	339.5	386.1	403.3
65°	234.4	260.2	318.8	367.1	384.3
67.5°	205.1	236.1	296.4	348.1	367.1
70°	175.8	210.3	277.5	330.9	349.9
72.5°	146.5	186.1	256.8	312.0	332.6
75°	117.2	163.7	237.8	293.0	315.4
77.5°	89.6	141.3	218.9	275.8	296.4
80°	63.8	122.4	201.6	258.5	279.2
82.5°	41.4	103.4	184.4	241.3	262.0
85°	20.7	86.2	168.9	225.8	246.5
87.5°	6.9	72.4	153.4	210.3	230.9
90°	1.7	60.3	137.9	194.8	213.7
92.5°	0.0	50.0	125.8	181.0	199.9
95°	0.0	41.4	112.0	165.5	184.4
97.5°	0.0	34.5	101.7	153.4	172.3
100°	0.0	29.3	91.3	139.6	158.6
102.5°	0.0	24.1	81.0	129.3	146.5
105°	0.0	20.7	72.4	117.2	134.4
107.5°	0.0	17.2	65.5	106.9	122.4
110°	0.0	15.5	56.9	96.5	112.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.8	51.7	87.9	101.7
115°	0.0	12.1	44.8	79.3	91.3
117.5°	0.0	10.3	39.6	70.7	82.7
120°	0.0	10.3	36.2	63.8	74.1
122.5°	0.0	8.6	32.7	56.9	67.2
125°	0.0	8.6	27.6	50.0	60.3
127.5°	0.0	6.9	25.9	44.8	53.4
130°	0.0	6.9	22.4	39.6	46.5
132.5°	0.0	5.2	20.7	34.5	41.4
135°	0.0	5.2	17.2	31.0	36.2
137.5°	0.0	5.2	15.5	27.6	31.0
140°	0.0	5.2	13.8	24.1	27.6
142.5°	0.0	5.2	12.1	20.7	24.1
145°	0.0	5.2	10.3	17.2	20.7
147.5°	0.0	3.4	8.6	15.5	17.2
150°	0.0	3.4	6.9	12.1	13.8
152.5°	0.0	3.4	6.9	10.3	12.1
155°	0.0	3.4	5.2	8.6	10.3
157.5°	0.0	3.4	5.2	6.9	8.6
160°	0.0	1.7	3.4	5.2	6.9
162.5°	0.0	1.7	3.4	5.2	6.9
165°	0.0	1.7	3.4	3.4	5.2
167.5°	0.0	1.7	3.4	3.4	3.4
170°	0.0	1.7	1.7	3.4	1.7
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)