

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: P402662

Luminaire Tested: **2SLSTP2040DD-120V**

Issue Date: 06/24/2020

Test Information

Test Method: LM-79-08
Report Number: P402662
Test Lab: INNOVATION CENTER-P2
Issue Date: 06/24/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTP2040DD-120V
Description: 2FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (45) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

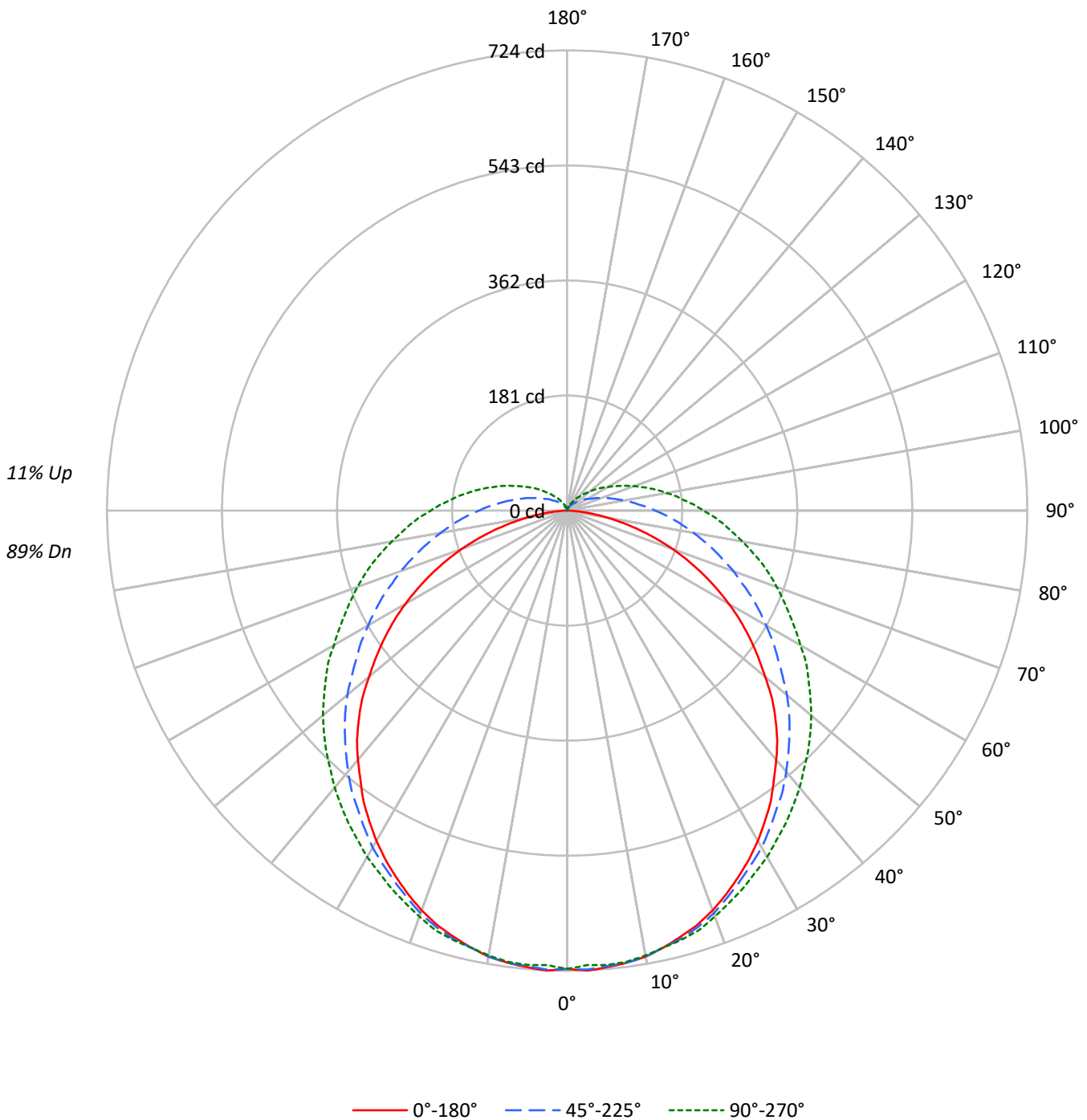
Lumens per Lamp: N/A
Luminaire Lumens: 2679.3 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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°	23286	23286	23286
5°	23290	22563	22286
10°	23189	21882	21416
15°	22925	21129	20596
20°	22653	20340	19758
25°	22243	19447	18937
30°	21847	18690	18211
35°	21392	17846	17519
40°	20850	17102	16894
45°	20316	16332	16322
50°	19450	15566	15787
55°	18651	14724	15220
60°	17709	14032	14664
65°	16497	13420	14218
70°	14944	12807	13961
75°	12698	12254	13774
80°	9627	11859	13580
85°	5220	11678	13645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	2.6
10°-20°	196.4	7.3
20°-30°	297.2	11.1
30°-40°	360.9	13.5
40°-50°	383.7	14.3
50°-60°	363.8	13.6
60°-70°	312.3	11.7
70°-80°	242.0	9.0
80°-90°	169.4	6.3
90°-100°	113.9	4.2
100°-110°	74.3	2.8
110°-120°	45.8	1.7
120°-130°	26.7	1.0
130°-140°	14.2	0.5
140°-150°	6.9	0.3
150°-160°	2.7	0.1
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	562.0	21.0
0°-40°	922.9	34.4
0°-60°	1670.3	62.3
0°-90°	2394.0	89.4
90°-120°	234.0	8.7
90°-150°	281.8	10.5
90°-180°	285.0	10.6
0°-180°	2679.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	721	721	719	716	718	69
15°	693	695	697	695	699	196
25°	636	638	643	650	655	293
35°	558	560	574	591	600	349
45°	463	470	495	524	536	357
55°	351	365	405	450	463	314
65°	235	261	320	368	386	233
75°	118	164	239	294	316	125
85°	21	86	170	226	247	27
90°	2	60	138	195	214	1
95°	0	42	112	166	185	0
105°	0	21	73	118	135	0
115°	0	12	45	80	92	0
125°	0	9	28	50	60	0
135°	0	5	17	31	36	0
145°	0	5	10	17	21	0
155°	0	4	5	9	10	0
165°	0	2	4	4	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°	721.1	721.1	721.1	721.1	721.1
2.5°	724.5	724.5	722.8	717.6	715.9
5°	721.1	721.1	719.4	715.9	717.6
7.5°	717.6	717.6	717.6	714.2	715.9
10°	712.4	712.4	712.4	707.3	710.7
12.5°	703.8	705.5	703.8	702.1	703.8
15°	693.4	695.1	696.9	695.1	698.6
17.5°	683.0	683.0	686.5	688.2	691.7
20°	669.2	670.9	674.4	676.1	679.6
22.5°	653.6	653.6	658.8	662.3	667.5
25°	636.4	638.1	643.3	650.2	655.4
27.5°	619.1	620.8	627.7	636.4	641.5
30°	600.0	601.8	612.1	622.5	629.4
32.5°	579.3	581.0	593.1	607.0	613.9
35°	558.5	560.3	574.1	591.4	600.0
37.5°	534.3	539.5	556.8	575.8	584.5
40°	511.9	517.0	536.1	558.5	568.9
42.5°	489.4	494.6	515.3	543.0	551.6
45°	463.4	470.3	494.6	524.0	536.1
47.5°	437.5	446.1	473.8	504.9	518.8
50°	406.4	416.7	451.3	485.9	501.5
52.5°	378.7	390.8	427.1	468.6	482.5
55°	351.0	364.9	404.6	449.6	463.4
57.5°	323.4	338.9	383.9	427.1	446.1
60°	294.0	313.0	361.4	406.4	423.7
62.5°	264.6	287.1	340.7	387.3	404.6
65°	235.2	261.1	319.9	368.3	385.6
67.5°	205.8	236.9	297.4	349.3	368.3
70°	176.4	211.0	278.4	332.0	351.0
72.5°	147.0	186.8	257.7	313.0	333.7
75°	117.6	164.3	238.6	294.0	316.4
77.5°	89.9	141.8	219.6	276.7	297.4
80°	64.0	122.8	202.3	259.4	280.1
82.5°	41.5	103.8	185.0	242.1	262.8
85°	20.8	86.5	169.5	226.5	247.3
87.5°	6.9	72.6	153.9	211.0	231.7
90°	1.7	60.5	138.3	195.4	214.4
92.5°	0.0	50.1	126.2	181.6	200.6
95°	0.0	41.5	112.4	166.0	185.0
97.5°	0.0	34.6	102.0	153.9	172.9
100°	0.0	29.4	91.6	140.1	159.1
102.5°	0.0	24.2	81.3	129.7	147.0
105°	0.0	20.8	72.6	117.6	134.9
107.5°	0.0	17.3	65.7	107.2	122.8
110°	0.0	15.6	57.1	96.8	112.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.8	51.9	88.2	102.0
115°	0.0	12.1	45.0	79.5	91.6
117.5°	0.0	10.4	39.8	70.9	83.0
120°	0.0	10.4	36.3	64.0	74.4
122.5°	0.0	8.6	32.9	57.1	67.4
125°	0.0	8.6	27.7	50.1	60.5
127.5°	0.0	6.9	25.9	45.0	53.6
130°	0.0	6.9	22.5	39.8	46.7
132.5°	0.0	5.2	20.8	34.6	41.5
135°	0.0	5.2	17.3	31.1	36.3
137.5°	0.0	5.2	15.6	27.7	31.1
140°	0.0	5.2	13.8	24.2	27.7
142.5°	0.0	5.2	12.1	20.8	24.2
145°	0.0	5.2	10.4	17.3	20.8
147.5°	0.0	3.5	8.6	15.6	17.3
150°	0.0	3.5	6.9	12.1	13.8
152.5°	0.0	3.5	6.9	10.4	12.1
155°	0.0	3.5	5.2	8.6	10.4
157.5°	0.0	3.5	5.2	6.9	8.6
160°	0.0	1.7	3.5	5.2	6.9
162.5°	0.0	1.7	3.5	5.2	6.9
165°	0.0	1.7	3.5	3.5	5.2
167.5°	0.0	1.7	3.5	3.5	3.5
170°	0.0	1.7	1.7	3.5	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)