

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: P406596

Luminaire Tested: **2SLSTP2050DD-UNV**

Issue Date: 08/06/2020

Test Information

Test Method: LM-79-08
Report Number: P406596
Test Lab: INNOVATION CENTER-P2
Issue Date: 08/06/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTP2050DD-UNV
Description: 2FT LENSED LED STRIPLIGHT
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2004-752-4)
Light Source: (45) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

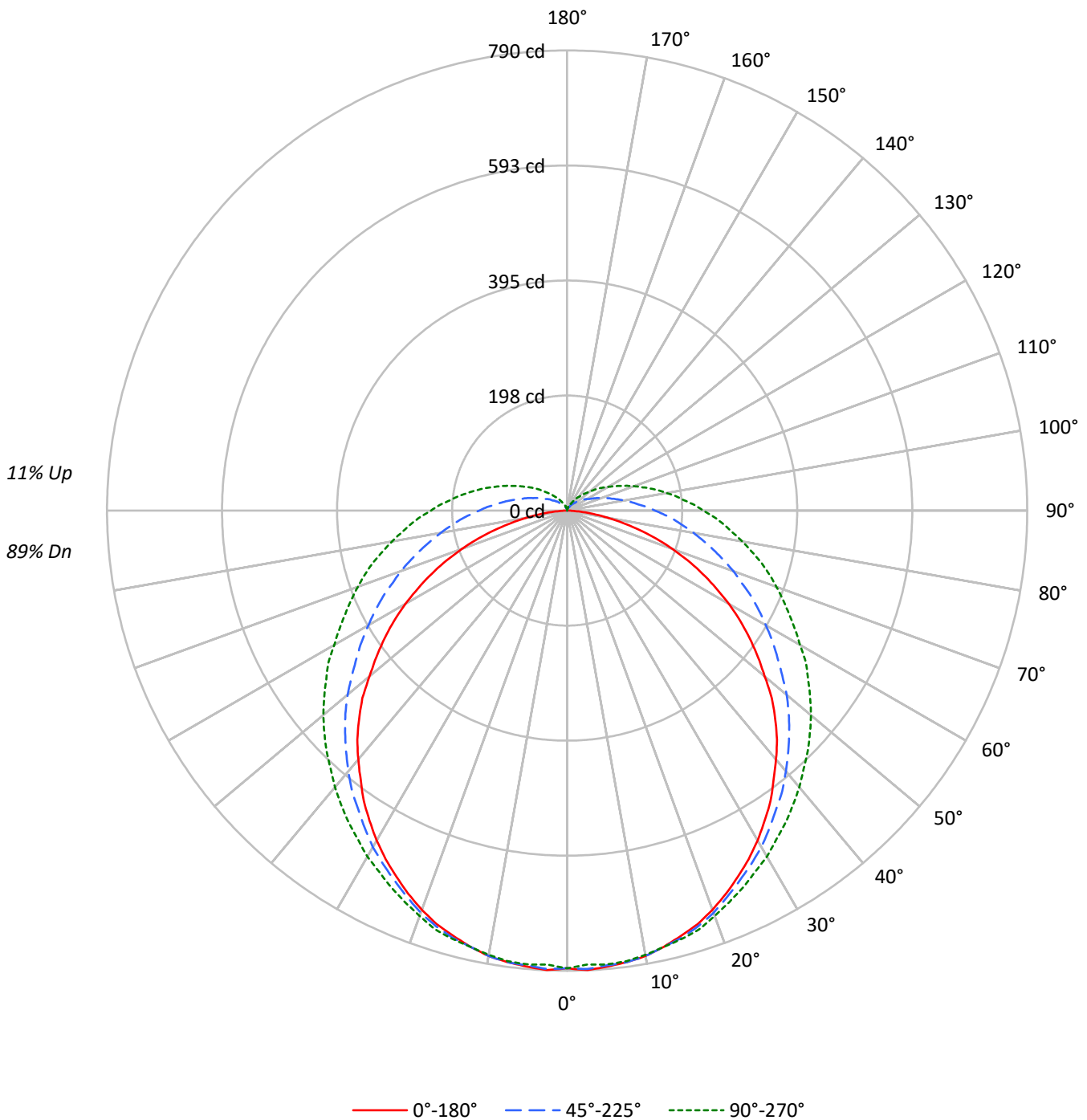
Lumens per Lamp: N/A
Luminaire Lumens: 2919.8 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 22.3
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	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°	25375	25375	25375
5°	25379	24586	24286
10°	25272	23847	23338
15°	24985	23024	22444
20°	24687	22164	21532
25°	24238	21192	20636
30°	23809	20370	19846
35°	23315	19446	19093
40°	22719	18637	18411
45°	22140	17798	17786
50°	21193	16963	17203
55°	20325	16049	16587
60°	19300	15294	15980
65°	17977	14624	15494
70°	16282	13958	15214
75°	13832	13358	15014
80°	10484	12926	14802
85°	5672	12725	14870



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	2.6
10°-20°	214.0	7.3
20°-30°	323.9	11.1
30°-40°	393.3	13.5
40°-50°	418.1	14.3
50°-60°	396.5	13.6
60°-70°	340.3	11.7
70°-80°	263.7	9.0
80°-90°	184.6	6.3
90°-100°	124.1	4.3
100°-110°	80.9	2.8
110°-120°	49.9	1.7
120°-130°	29.1	1.0
130°-140°	15.5	0.5
140°-150°	7.5	0.3
150°-160°	2.9	0.1
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	612.4	21.0
0°-40°	1005.7	34.4
0°-60°	1820.3	62.3
0°-90°	2608.9	89.4
90°-120°	255.0	8.7
90°-150°	307.1	10.5
90°-180°	311.0	10.7
0°-180°	2919.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	786	786	784	780	782	75
15°	756	758	759	758	761	213
25°	694	695	701	709	714	320
35°	609	611	626	644	654	380
45°	505	513	539	571	584	389
55°	382	398	441	490	505	342
65°	256	285	349	401	420	254
75°	128	179	260	320	345	136
85°	23	94	185	247	270	29
90°	2	66	151	213	234	2
95°	0	45	122	181	202	0
105°	0	23	79	128	147	0
115°	0	13	49	87	100	0
125°	0	9	30	55	66	0
135°	0	6	19	34	40	0
145°	0	6	11	19	23	0
155°	0	4	6	9	11	0
165°	0	2	4	4	6	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°	785.8	785.8	785.8	785.8	785.8
2.5°	789.6	789.6	787.7	782.0	780.2
5°	785.8	785.8	783.9	780.2	782.0
7.5°	782.0	782.0	782.0	778.3	780.2
10°	776.4	776.4	776.4	770.7	774.5
12.5°	767.0	768.9	767.0	765.1	767.0
15°	755.7	757.5	759.4	757.5	761.3
17.5°	744.4	744.4	748.1	750.0	753.8
20°	729.3	731.2	734.9	736.8	740.6
22.5°	712.3	712.3	718.0	721.7	727.4
25°	693.5	695.4	701.0	708.6	714.2
27.5°	674.6	676.5	684.1	693.5	699.1
30°	653.9	655.8	667.1	678.4	685.9
32.5°	631.3	633.2	646.4	661.4	669.0
35°	608.7	610.6	625.6	644.5	653.9
37.5°	582.3	587.9	606.8	627.5	636.9
40°	557.8	563.5	584.2	608.7	620.0
42.5°	533.3	539.0	561.6	591.7	601.1
45°	505.0	512.6	539.0	571.0	584.2
47.5°	476.8	486.2	516.3	550.3	565.3
50°	442.8	454.2	491.8	529.5	546.5
52.5°	412.7	425.9	465.5	510.7	525.8
55°	382.5	397.6	441.0	490.0	505.0
57.5°	352.4	369.4	418.3	465.5	486.2
60°	320.4	341.1	393.9	442.8	461.7
62.5°	288.3	312.8	371.2	422.1	441.0
65°	256.3	284.6	348.6	401.4	420.2
67.5°	224.2	258.2	324.1	380.7	401.4
70°	192.2	229.9	303.4	361.8	382.5
72.5°	160.2	203.5	280.8	341.1	363.7
75°	128.1	179.0	260.1	320.4	344.9
77.5°	98.0	154.5	239.3	301.5	324.1
80°	69.7	133.8	220.5	282.7	305.3
82.5°	45.2	113.1	201.6	263.8	286.4
85°	22.6	94.2	184.7	246.9	269.5
87.5°	7.5	79.1	167.7	229.9	252.5
90°	1.9	66.0	150.8	212.9	233.7
92.5°	0.0	54.6	137.6	197.9	218.6
95°	0.0	45.2	122.5	180.9	201.6
97.5°	0.0	37.7	111.2	167.7	188.4
100°	0.0	32.0	99.9	152.6	173.4
102.5°	0.0	26.4	88.6	141.3	160.2
105°	0.0	22.6	79.1	128.1	147.0
107.5°	0.0	18.8	71.6	116.8	133.8
110°	0.0	17.0	62.2	105.5	122.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.1	56.5	96.1	111.2
115°	0.0	13.2	49.0	86.7	99.9
117.5°	0.0	11.3	43.3	77.3	90.5
120°	0.0	11.3	39.6	69.7	81.0
122.5°	0.0	9.4	35.8	62.2	73.5
125°	0.0	9.4	30.2	54.6	66.0
127.5°	0.0	7.5	28.3	49.0	58.4
130°	0.0	7.5	24.5	43.3	50.9
132.5°	0.0	5.7	22.6	37.7	45.2
135°	0.0	5.7	18.8	33.9	39.6
137.5°	0.0	5.7	17.0	30.2	33.9
140°	0.0	5.7	15.1	26.4	30.2
142.5°	0.0	5.7	13.2	22.6	26.4
145°	0.0	5.7	11.3	18.8	22.6
147.5°	0.0	3.8	9.4	17.0	18.8
150°	0.0	3.8	7.5	13.2	15.1
152.5°	0.0	3.8	7.5	11.3	13.2
155°	0.0	3.8	5.7	9.4	11.3
157.5°	0.0	3.8	5.7	7.5	9.4
160°	0.0	1.9	3.8	5.7	7.5
162.5°	0.0	1.9	3.8	5.7	7.5
165°	0.0	1.9	3.8	3.8	5.7
167.5°	0.0	1.9	3.8	3.8	3.8
170°	0.0	1.9	1.9	3.8	1.9
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)