

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: P565579

Luminaire Tested: **2SNX-23SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-SLW-UNV-L835-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

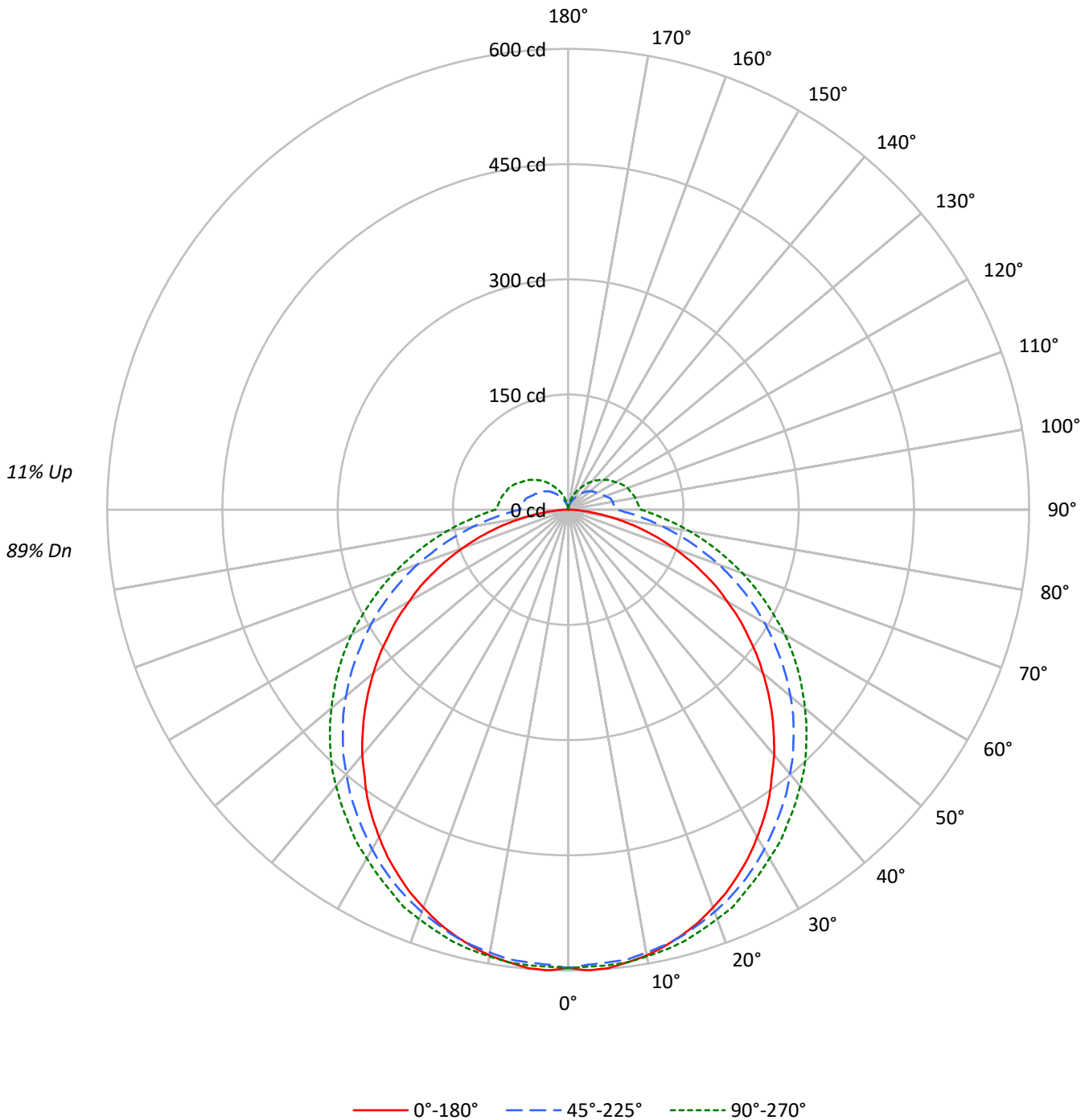
Lumens per Lamp: N/A
Luminaire Lumens: 2124.0 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 14.9
Input Voltage (V): NR
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12844	12844	12844
5°	12900	12498	12503
10°	12788	12232	12194
15°	12637	11958	11909
20°	12438	11648	11591
25°	12213	11344	11259
30°	11946	11011	10933
35°	11656	10668	10623
40°	11324	10329	10328
45°	10968	9985	10009
50°	10560	9621	9654
55°	10112	9187	9303
60°	9588	8721	8912
65°	9032	8202	8418
70°	8272	7627	7936
75°	7267	6903	7404
80°	5680	6164	6876
85°	3703	5519	6336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	2.7
10°-20°	162.9	7.7
20°-30°	247.7	11.7
30°-40°	300.7	14.2
40°-50°	317.7	15.0
50°-60°	297.3	14.0
60°-70°	243.9	11.5
70°-80°	167.8	7.9
80°-90°	91.9	4.3
90°-100°	59.2	2.8
100°-110°	53.1	2.5
110°-120°	43.9	2.1
120°-130°	33.8	1.6
130°-140°	23.8	1.1
140°-150°	14.3	0.7
150°-160°	6.9	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
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0°-30°	467.2	22.0
0°-40°	767.9	36.2
0°-60°	1382.9	65.1
0°-90°	1886.4	88.8
90°-120°	156.2	7.4
90°-150°	228.1	10.7
90°-180°	238.0	11.2
0°-180°	2124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	599	598	592	597	595	57
15°	573	576	574	582	582	162
25°	524	530	536	547	547	241
35°	456	468	481	494	498	285
45°	375	392	415	433	438	289
55°	285	309	337	358	365	255
65°	193	219	252	276	283	191
75°	101	128	165	191	199	106
85°	22	53	90	114	123	26
90°	0	30	63	86	95	2
95°	0	28	60	82	91	0
105°	0	23	57	78	85	1
115°	1	21	48	69	78	1
125°	1	17	41	59	66	1
135°	1	14	33	48	54	1
145°	1	10	23	37	41	1
155°	1	6	15	23	27	1
165°	1	4	7	11	14	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	596.6	596.6	596.6	596.6	596.6
2.5°	600.3	599.1	592.9	597.9	595.4
5°	599.1	597.9	591.7	596.6	595.4
7.5°	594.2	594.2	590.5	595.4	594.2
10°	589.3	589.3	585.6	591.7	590.5
12.5°	581.9	583.1	580.6	588.0	586.8
15°	573.3	575.7	574.5	581.9	581.9
17.5°	563.4	565.9	565.9	574.5	574.5
20°	551.1	554.8	557.3	567.1	567.1
22.5°	538.8	543.7	547.4	556.0	559.7
25°	524.1	530.2	536.4	547.4	547.4
27.5°	509.3	516.7	524.1	535.1	536.4
30°	492.1	500.7	510.5	521.6	524.1
32.5°	474.8	485.9	495.8	509.3	513.0
35°	456.4	467.5	481.0	494.5	498.2
37.5°	435.5	449.0	466.2	481.0	484.7
40°	417.0	431.8	449.0	466.2	469.9
42.5°	396.1	412.1	433.0	449.0	455.2
45°	375.2	392.4	414.6	433.0	437.9
47.5°	353.1	372.7	397.3	414.6	420.7
50°	330.9	351.8	377.7	397.3	402.3
52.5°	308.8	330.9	358.0	377.7	383.8
55°	285.4	308.8	337.1	358.0	365.4
57.5°	263.3	286.6	316.2	338.3	345.7
60°	238.7	265.7	295.2	317.4	326.0
62.5°	217.7	242.3	274.3	296.5	303.9
65°	193.1	219.0	252.2	275.6	282.9
67.5°	169.8	196.8	230.0	254.6	262.0
70°	146.4	173.5	209.1	232.5	241.1
72.5°	123.0	151.3	185.8	211.6	220.2
75°	100.9	127.9	164.8	190.7	199.3
77.5°	77.5	107.0	143.9	169.8	179.6
80°	56.6	87.3	124.2	150.1	159.9
82.5°	38.1	68.9	105.8	131.6	141.5
85°	22.1	52.9	89.8	114.4	123.0
87.5°	11.1	40.6	75.0	99.6	108.3
90°	0.0	29.5	62.7	86.1	94.7
92.5°	0.0	28.3	61.5	83.7	92.3
95°	0.0	28.3	60.3	82.4	91.0
97.5°	0.0	27.1	59.0	82.4	89.8
100°	0.0	25.8	59.0	81.2	88.6
102.5°	0.0	24.6	57.8	80.0	87.3
105°	0.0	23.4	56.6	77.5	84.9
107.5°	1.2	23.4	54.1	76.3	83.7
110°	1.2	22.1	51.7	75.0	82.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.9	49.2	72.6	80.0
115°	1.2	20.9	48.0	68.9	77.5
117.5°	1.2	19.7	45.5	66.4	75.0
120°	1.2	19.7	44.3	64.0	71.4
122.5°	1.2	18.5	41.8	61.5	68.9
125°	1.2	17.2	40.6	59.0	66.4
127.5°	1.2	16.0	39.4	56.6	64.0
130°	1.2	14.8	36.9	54.1	60.3
132.5°	1.2	14.8	35.7	50.4	57.8
135°	1.2	13.5	33.2	48.0	54.1
137.5°	1.2	12.3	30.8	45.5	51.7
140°	1.2	11.1	28.3	43.1	48.0
142.5°	1.2	11.1	25.8	39.4	44.3
145°	1.2	9.8	23.4	36.9	40.6
147.5°	1.2	8.6	20.9	33.2	36.9
150°	1.2	8.6	18.5	29.5	33.2
152.5°	1.2	7.4	16.0	27.1	30.8
155°	1.2	6.2	14.8	23.4	27.1
157.5°	1.2	6.2	12.3	19.7	23.4
160°	1.2	4.9	11.1	16.0	19.7
162.5°	1.2	4.9	9.8	13.5	17.2
165°	1.2	3.7	7.4	11.1	13.5
167.5°	1.2	3.7	6.2	8.6	11.1
170°	1.2	2.5	4.9	6.2	8.6
172.5°	1.2	2.5	3.7	3.7	3.7
175°	1.2	1.2	2.5	2.5	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)