

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: P565584

Luminaire Tested: **2SNX-23SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565584  
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-L940-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

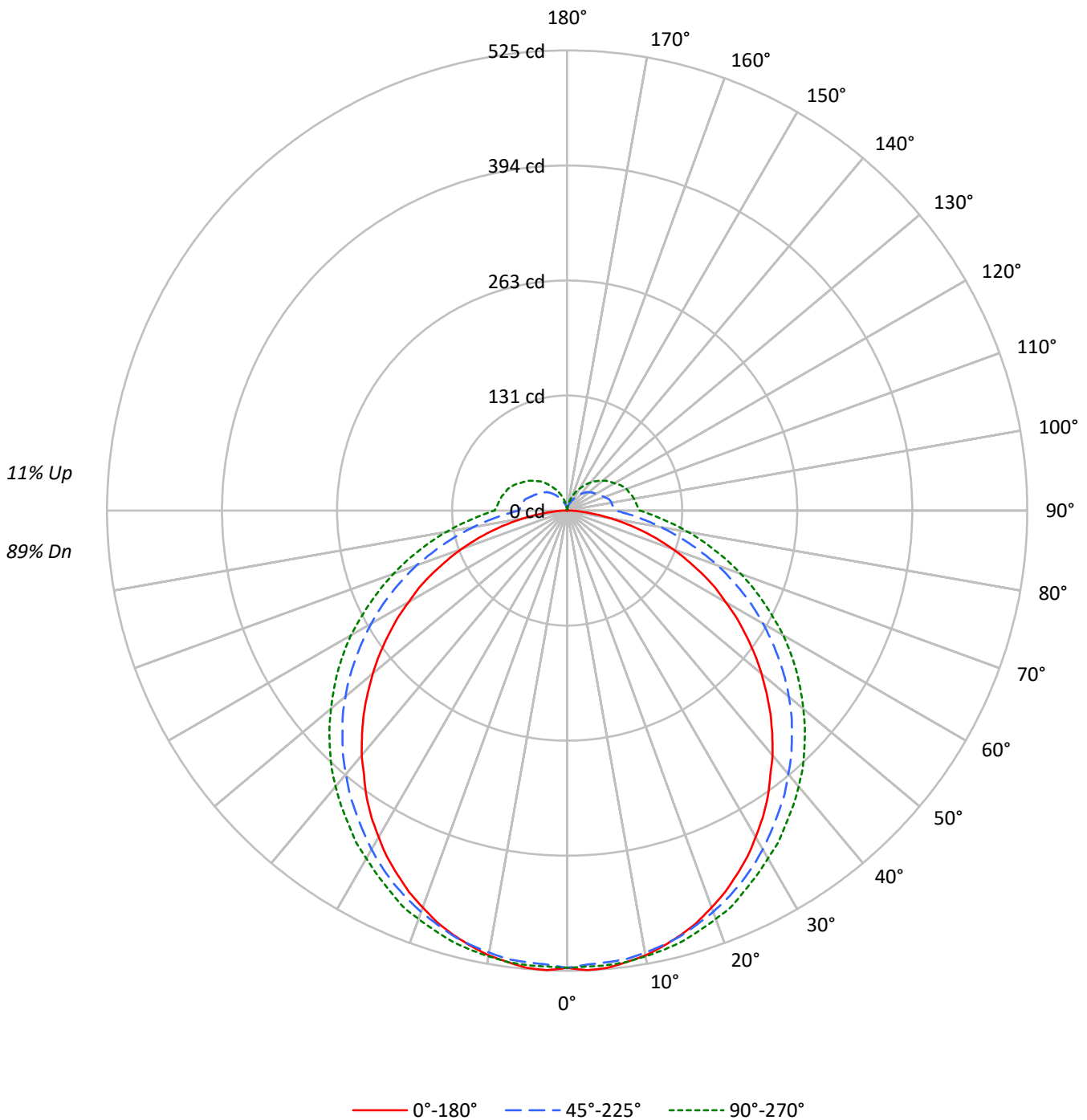
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1857.0 lumens  
Efficiency: N/A  
Efficacy: 124.6 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<sub>in</sub>): 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

TEST NUMBER: P565584

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565584

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L940-CD

**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	76	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°	11229	11229	11229
5°	11278	10926	10933
10°	11180	10694	10662
15°	11048	10455	10411
20°	10874	10183	10134
25°	10677	9917	9844
30°	10444	9626	9558
35°	10190	9326	9289
40°	9901	9032	9031
45°	9588	8731	8752
50°	9232	8411	8440
55°	8840	8032	8132
60°	8383	7625	7791
65°	7901	7171	7361
70°	7232	6668	6939
75°	6352	6036	6471
80°	4968	5390	6012
85°	3250	4825	5543



TEST NUMBER: P565584

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.5	2.7
10°-20°	142.4	7.7
20°-30°	216.5	11.7
30°-40°	262.9	14.2
40°-50°	277.8	15.0
50°-60°	259.9	14.0
60°-70°	213.3	11.5
70°-80°	146.7	7.9
80°-90°	80.3	4.3
90°-100°	51.7	2.8
100°-110°	46.4	2.5
110°-120°	38.4	2.1
120°-130°	29.6	1.6
130°-140°	20.8	1.1
140°-150°	12.5	0.7
150°-160°	6.0	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	408.5	22.0
0°-40°	671.4	36.2
0°-60°	1209.0	65.1
0°-90°	1649.3	88.8
90°-120°	136.6	7.4
90°-150°	199.5	10.7
90°-180°	208.0	11.2
0°-180°	1857.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	524	523	517	522	521	50
15°	501	503	502	509	509	141
25°	458	464	469	479	479	211
35°	399	409	420	432	436	249
45°	328	343	362	379	383	253
55°	250	270	295	313	319	223
65°	169	191	220	241	247	167
75°	88	112	144	167	174	93
85°	19	46	78	100	108	22
90°	0	26	55	75	83	1
95°	0	25	53	72	80	0
105°	0	20	50	68	74	1
115°	1	18	42	60	68	1
125°	1	15	36	52	58	1
135°	1	12	29	42	47	1
145°	1	9	20	32	36	1
155°	1	5	13	20	24	1
165°	1	3	6	10	12	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565584

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	521.6	521.6	521.6	521.6	521.6
2.5°	524.9	523.8	518.4	522.7	520.6
5°	523.8	522.7	517.3	521.6	520.6
7.5°	519.5	519.5	516.3	520.6	519.5
10°	515.2	515.2	512.0	517.3	516.3
12.5°	508.7	509.8	507.7	514.1	513.0
15°	501.2	503.4	502.3	508.7	508.7
17.5°	492.6	494.7	494.7	502.3	502.3
20°	481.8	485.1	487.2	495.8	495.8
22.5°	471.1	475.4	478.6	486.1	489.4
25°	458.2	463.6	468.9	478.6	478.6
27.5°	445.3	451.7	458.2	467.9	468.9
30°	430.2	437.7	446.3	456.0	458.2
32.5°	415.2	424.8	433.4	445.3	448.5
35°	399.0	408.7	420.5	432.4	435.6
37.5°	380.7	392.6	407.6	420.5	423.8
40°	364.6	377.5	392.6	407.6	410.9
42.5°	346.3	360.3	378.6	392.6	397.9
45°	328.0	343.1	362.5	378.6	382.9
47.5°	308.7	325.9	347.4	362.5	367.8
50°	289.3	307.6	330.2	347.4	351.7
52.5°	270.0	289.3	313.0	330.2	335.6
55°	249.5	270.0	294.7	313.0	319.4
57.5°	230.2	250.6	276.4	295.8	302.2
60°	208.7	232.3	258.1	277.5	285.0
62.5°	190.4	211.9	239.8	259.2	265.7
65°	168.9	191.4	220.5	240.9	247.4
67.5°	148.4	172.1	201.1	222.6	229.1
70°	128.0	151.7	182.8	203.3	210.8
72.5°	107.6	132.3	162.4	185.0	192.5
75°	88.2	111.9	144.1	166.7	174.2
77.5°	67.8	93.6	125.8	148.4	157.0
80°	49.5	76.4	108.6	131.2	139.8
82.5°	33.3	60.2	92.5	115.1	123.7
85°	19.4	46.2	78.5	100.0	107.6
87.5°	9.7	35.5	65.6	87.1	94.6
90°	0.0	25.8	54.9	75.3	82.8
92.5°	0.0	24.7	53.8	73.1	80.7
95°	0.0	24.7	52.7	72.1	79.6
97.5°	0.0	23.7	51.6	72.1	78.5
100°	0.0	22.6	51.6	71.0	77.4
102.5°	0.0	21.5	50.6	69.9	76.4
105°	0.0	20.4	49.5	67.8	74.2
107.5°	1.1	20.4	47.3	66.7	73.1
110°	1.1	19.4	45.2	65.6	72.1



TEST NUMBER: P565584

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.3	43.0	63.5	69.9
115°	1.1	18.3	41.9	60.2	67.8
117.5°	1.1	17.2	39.8	58.1	65.6
120°	1.1	17.2	38.7	55.9	62.4
122.5°	1.1	16.1	36.6	53.8	60.2
125°	1.1	15.1	35.5	51.6	58.1
127.5°	1.1	14.0	34.4	49.5	55.9
130°	1.1	12.9	32.3	47.3	52.7
132.5°	1.1	12.9	31.2	44.1	50.6
135°	1.1	11.8	29.0	41.9	47.3
137.5°	1.1	10.8	26.9	39.8	45.2
140°	1.1	9.7	24.7	37.6	41.9
142.5°	1.1	9.7	22.6	34.4	38.7
145°	1.1	8.6	20.4	32.3	35.5
147.5°	1.1	7.5	18.3	29.0	32.3
150°	1.1	7.5	16.1	25.8	29.0
152.5°	1.1	6.5	14.0	23.7	26.9
155°	1.1	5.4	12.9	20.4	23.7
157.5°	1.1	5.4	10.8	17.2	20.4
160°	1.1	4.3	9.7	14.0	17.2
162.5°	1.1	4.3	8.6	11.8	15.1
165°	1.1	3.2	6.5	9.7	11.8
167.5°	1.1	3.2	5.4	7.5	9.7
170°	1.1	2.2	4.3	5.4	7.5
172.5°	1.1	2.2	3.2	3.2	3.2
175°	1.1	1.1	2.2	2.2	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)