

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: P565576

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565576
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-LW-UNV-L940-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

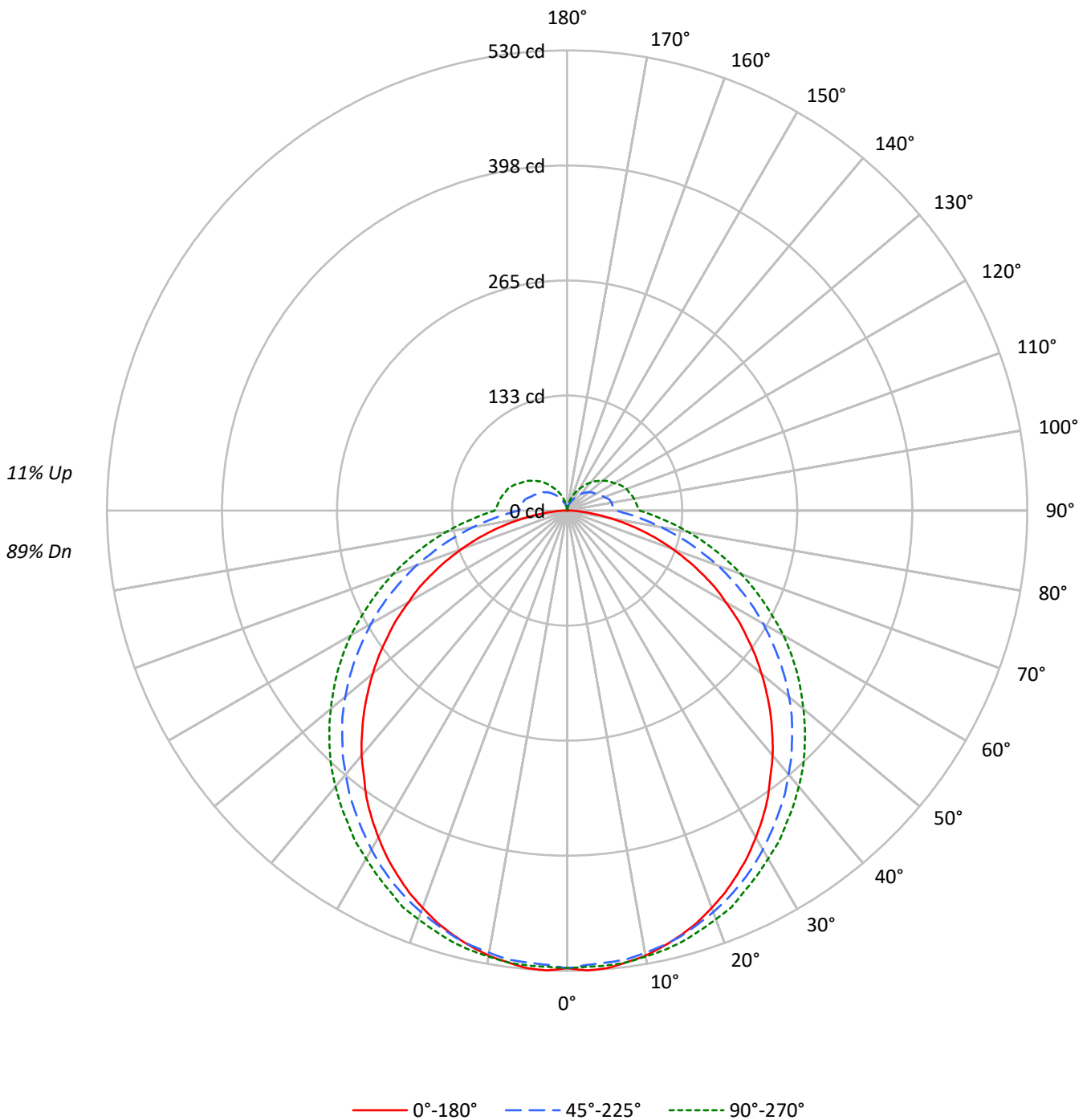
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1876.0 lumens
Efficiency: N/A
Efficacy: 125.9 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (Ain): 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: P565576
CATALOG NUMBER: 2SNX-23SL-LW-UNV-L940-CD

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	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°	11345	11345	11345
5°	11351	10793	10738
10°	11213	10339	10201
15°	11038	9902	9718
20°	10824	9452	9235
25°	10584	9021	8761
30°	10307	8581	8309
35°	10010	8141	7883
40°	9674	7713	7481
45°	9313	7285	7066
50°	8905	6846	6631
55°	8456	6358	6204
60°	7931	5853	5753
65°	7373	5308	5239
70°	6622	4731	4735
75°	5653	4065	4197
80°	4209	3393	3664
85°	2479	2774	3115



TEST NUMBER: P565576

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	2.7
10°-20°	143.9	7.7
20°-30°	218.8	11.7
30°-40°	265.5	14.2
40°-50°	280.6	15.0
50°-60°	262.6	14.0
60°-70°	215.4	11.5
70°-80°	148.2	7.9
80°-90°	81.2	4.3
90°-100°	52.3	2.8
100°-110°	46.9	2.5
110°-120°	38.8	2.1
120°-130°	29.9	1.6
130°-140°	21.0	1.1
140°-150°	12.7	0.7
150°-160°	6.1	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	412.7	22.0
0°-40°	678.2	36.2
0°-60°	1221.4	65.1
0°-90°	1666.2	88.8
90°-120°	138.0	7.4
90°-150°	201.5	10.7
90°-180°	210.0	11.2
0°-180°	1876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	527	527	527	527	527	
5°	529	528	523	527	526	50
15°	506	508	507	514	514	143
25°	463	468	474	484	484	213
35°	403	413	425	437	440	252
45°	331	347	366	382	387	255
55°	252	273	298	316	323	226
65°	171	193	223	243	250	169
75°	89	113	146	168	176	94
85°	20	47	79	101	109	23
90°	0	26	55	76	84	1
95°	0	25	53	73	80	0
105°	0	21	50	68	75	1
115°	1	18	42	61	68	1
125°	1	15	36	52	59	1
135°	1	12	29	42	48	1
145°	1	9	21	33	36	1
155°	1	5	13	21	24	1
165°	1	3	6	10	12	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°	527.0	527.0	527.0	527.0	527.0
2.5°	530.2	529.1	523.7	528.1	525.9
5°	529.1	528.1	522.6	527.0	525.9
7.5°	524.8	524.8	521.5	525.9	524.8
10°	520.5	520.5	517.2	522.6	521.5
12.5°	513.9	515.0	512.8	519.4	518.3
15°	506.3	508.5	507.4	513.9	513.9
17.5°	497.6	499.8	499.8	507.4	507.4
20°	486.8	490.0	492.2	500.9	500.9
22.5°	475.9	480.3	483.5	491.1	494.4
25°	462.9	468.3	473.7	483.5	483.5
27.5°	449.8	456.3	462.9	472.6	473.7
30°	434.6	442.2	450.9	460.7	462.9
32.5°	419.4	429.2	437.9	449.8	453.1
35°	403.1	412.9	424.8	436.8	440.0
37.5°	384.6	396.6	411.8	424.8	428.1
40°	368.3	381.4	396.6	411.8	415.1
42.5°	349.9	364.0	382.5	396.6	402.0
45°	331.4	346.6	366.2	382.5	386.8
47.5°	311.8	329.2	351.0	366.2	371.6
50°	292.3	310.8	333.6	351.0	355.3
52.5°	272.7	292.3	316.2	333.6	339.0
55°	252.1	272.7	297.7	316.2	322.7
57.5°	232.5	253.2	279.2	298.8	305.3
60°	210.8	234.7	260.8	280.3	287.9
62.5°	192.3	214.0	242.3	261.9	268.4
65°	170.6	193.4	222.7	243.4	249.9
67.5°	149.9	173.8	203.2	224.9	231.4
70°	129.3	153.2	184.7	205.4	213.0
72.5°	108.7	133.6	164.1	186.9	194.5
75°	89.1	113.0	145.6	168.4	176.0
77.5°	68.5	94.5	127.1	149.9	158.6
80°	50.0	77.1	109.7	132.6	141.3
82.5°	33.7	60.8	93.4	116.3	125.0
85°	19.6	46.7	79.3	101.0	108.7
87.5°	9.8	35.9	66.3	88.0	95.6
90°	0.0	26.1	55.4	76.1	83.7
92.5°	0.0	25.0	54.3	73.9	81.5
95°	0.0	25.0	53.2	72.8	80.4
97.5°	0.0	23.9	52.2	72.8	79.3
100°	0.0	22.8	52.2	71.7	78.2
102.5°	0.0	21.7	51.1	70.6	77.1
105°	0.0	20.6	50.0	68.5	75.0
107.5°	1.1	20.6	47.8	67.4	73.9
110°	1.1	19.6	45.6	66.3	72.8



TEST NUMBER: P565576

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.5	43.5	64.1	70.6
115°	1.1	18.5	42.4	60.8	68.5
117.5°	1.1	17.4	40.2	58.7	66.3
120°	1.1	17.4	39.1	56.5	63.0
122.5°	1.1	16.3	36.9	54.3	60.8
125°	1.1	15.2	35.9	52.2	58.7
127.5°	1.1	14.1	34.8	50.0	56.5
130°	1.1	13.0	32.6	47.8	53.2
132.5°	1.1	13.0	31.5	44.5	51.1
135°	1.1	12.0	29.3	42.4	47.8
137.5°	1.1	10.9	27.2	40.2	45.6
140°	1.1	9.8	25.0	38.0	42.4
142.5°	1.1	9.8	22.8	34.8	39.1
145°	1.1	8.7	20.6	32.6	35.9
147.5°	1.1	7.6	18.5	29.3	32.6
150°	1.1	7.6	16.3	26.1	29.3
152.5°	1.1	6.5	14.1	23.9	27.2
155°	1.1	5.4	13.0	20.6	23.9
157.5°	1.1	5.4	10.9	17.4	20.6
160°	1.1	4.3	9.8	14.1	17.4
162.5°	1.1	4.3	8.7	12.0	15.2
165°	1.1	3.3	6.5	9.8	12.0
167.5°	1.1	3.3	5.4	7.6	9.8
170°	1.1	2.2	4.3	5.4	7.6
172.5°	1.1	2.2	3.3	3.3	3.3
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)