

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: P565577

Luminaire Tested: **2SNX-23SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565577  
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-L950-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

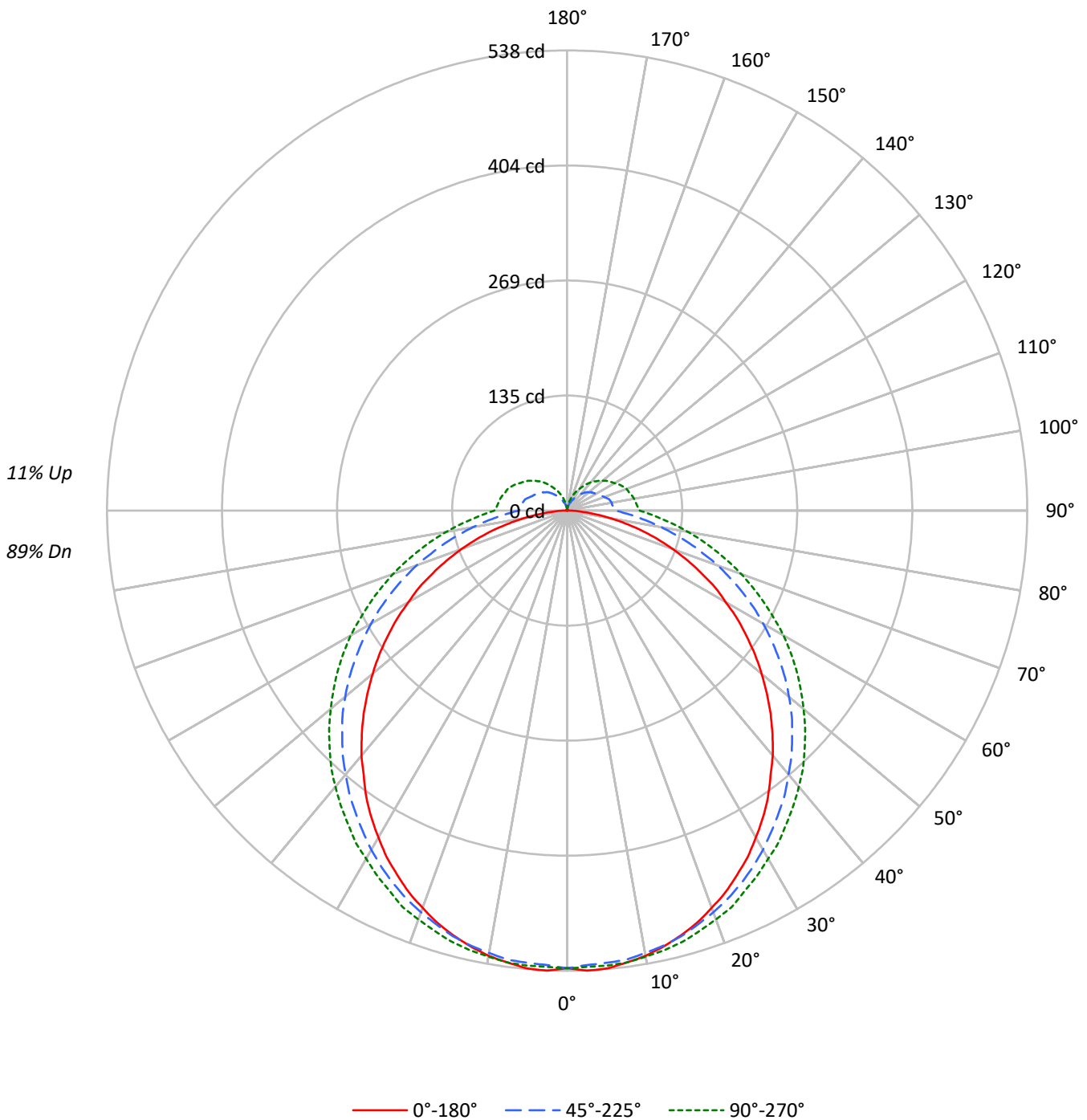
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1905.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 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

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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°	11520	11520	11520
5°	11527	10960	10904
10°	11386	10499	10359
15°	11210	10056	9869
20°	10991	9598	9377
25°	10746	9162	8897
30°	10466	8714	8436
35°	10164	8267	8007
40°	9823	7832	7596
45°	9457	7397	7175
50°	9042	6951	6734
55°	8586	6456	6301
60°	8052	5942	5843
65°	7485	5391	5321
70°	6725	4806	4808
75°	5742	4126	4261
80°	4277	3446	3718
85°	2517	2816	3161



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	2.7
10°-20°	146.1	7.7
20°-30°	222.1	11.7
30°-40°	269.7	14.2
40°-50°	284.9	15.0
50°-60°	266.6	14.0
60°-70°	218.8	11.5
70°-80°	150.5	7.9
80°-90°	82.4	4.3
90°-100°	53.1	2.8
100°-110°	47.6	2.5
110°-120°	39.4	2.1
120°-130°	30.4	1.6
130°-140°	21.3	1.1
140°-150°	12.9	0.7
150°-160°	6.2	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	419.1	22.0
0°-40°	688.7	36.2
0°-60°	1240.3	65.1
0°-90°	1692.0	88.8
90°-120°	140.1	7.4
90°-150°	204.6	10.7
90°-180°	213.0	11.2
0°-180°	1905.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	535	535	535	535	535	
5°	537	536	531	535	534	51
15°	514	516	515	522	522	145
25°	470	476	481	491	491	217
35°	409	419	431	444	447	256
45°	336	352	372	388	393	259
55°	256	277	302	321	328	229
65°	173	196	226	247	254	172
75°	90	115	148	171	179	95
85°	20	47	80	103	110	23
90°	0	26	56	77	85	1
95°	0	25	54	74	82	0
105°	0	21	51	70	76	1
115°	1	19	43	62	70	1
125°	1	15	36	53	60	1
135°	1	12	30	43	48	1
145°	1	9	21	33	36	1
155°	1	6	13	21	24	1
165°	1	3	7	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°	535.1	535.1	535.1	535.1	535.1
2.5°	538.4	537.3	531.8	536.2	534.0
5°	537.3	536.2	530.7	535.1	534.0
7.5°	532.9	532.9	529.6	534.0	532.9
10°	528.5	528.5	525.2	530.7	529.6
12.5°	521.9	523.0	520.8	527.4	526.3
15°	514.2	516.4	515.3	521.9	521.9
17.5°	505.3	507.5	507.5	515.3	515.3
20°	494.3	497.6	499.8	508.6	508.6
22.5°	483.3	487.7	491.0	498.7	502.0
25°	470.0	475.5	481.1	491.0	491.0
27.5°	456.8	463.4	470.0	480.0	481.1
30°	441.3	449.1	457.9	467.8	470.0
32.5°	425.9	435.8	444.6	456.8	460.1
35°	409.3	419.3	431.4	443.5	446.9
37.5°	390.6	402.7	418.2	431.4	434.7
40°	374.0	387.3	402.7	418.2	421.5
42.5°	355.3	369.6	388.4	402.7	408.2
45°	336.5	352.0	371.8	388.4	392.8
47.5°	316.7	334.3	356.4	371.8	377.3
50°	296.8	315.6	338.7	356.4	360.8
52.5°	276.9	296.8	321.1	338.7	344.2
55°	256.0	276.9	302.3	321.1	327.7
57.5°	236.1	257.1	283.6	303.4	310.0
60°	214.0	238.3	264.8	284.7	292.4
62.5°	195.3	217.4	246.0	265.9	272.5
65°	173.2	196.4	226.2	247.1	253.8
67.5°	152.3	176.5	206.3	228.4	235.0
70°	131.3	155.6	187.6	208.5	216.3
72.5°	110.3	135.7	166.6	189.8	197.5
75°	90.5	114.7	147.8	171.0	178.7
77.5°	69.5	96.0	129.1	152.3	161.1
80°	50.8	78.3	111.4	134.6	143.4
82.5°	34.2	61.8	94.9	118.1	126.9
85°	19.9	47.4	80.5	102.6	110.3
87.5°	9.9	36.4	67.3	89.4	97.1
90°	0.0	26.5	56.3	77.2	85.0
92.5°	0.0	25.4	55.2	75.0	82.8
95°	0.0	25.4	54.1	73.9	81.6
97.5°	0.0	24.3	53.0	73.9	80.5
100°	0.0	23.2	53.0	72.8	79.4
102.5°	0.0	22.1	51.9	71.7	78.3
105°	0.0	21.0	50.8	69.5	76.1
107.5°	1.1	21.0	48.5	68.4	75.0
110°	1.1	19.9	46.3	67.3	73.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.8	44.1	65.1	71.7
115°	1.1	18.8	43.0	61.8	69.5
117.5°	1.1	17.7	40.8	59.6	67.3
120°	1.1	17.7	39.7	57.4	64.0
122.5°	1.1	16.6	37.5	55.2	61.8
125°	1.1	15.4	36.4	53.0	59.6
127.5°	1.1	14.3	35.3	50.8	57.4
130°	1.1	13.2	33.1	48.5	54.1
132.5°	1.1	13.2	32.0	45.2	51.9
135°	1.1	12.1	29.8	43.0	48.5
137.5°	1.1	11.0	27.6	40.8	46.3
140°	1.1	9.9	25.4	38.6	43.0
142.5°	1.1	9.9	23.2	35.3	39.7
145°	1.1	8.8	21.0	33.1	36.4
147.5°	1.1	7.7	18.8	29.8	33.1
150°	1.1	7.7	16.6	26.5	29.8
152.5°	1.1	6.6	14.3	24.3	27.6
155°	1.1	5.5	13.2	21.0	24.3
157.5°	1.1	5.5	11.0	17.7	21.0
160°	1.1	4.4	9.9	14.3	17.7
162.5°	1.1	4.4	8.8	12.1	15.4
165°	1.1	3.3	6.6	9.9	12.1
167.5°	1.1	3.3	5.5	7.7	9.9
170°	1.1	2.2	4.4	5.5	7.7
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)