

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: P565547

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-23SL-FDL-UNV-L835-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

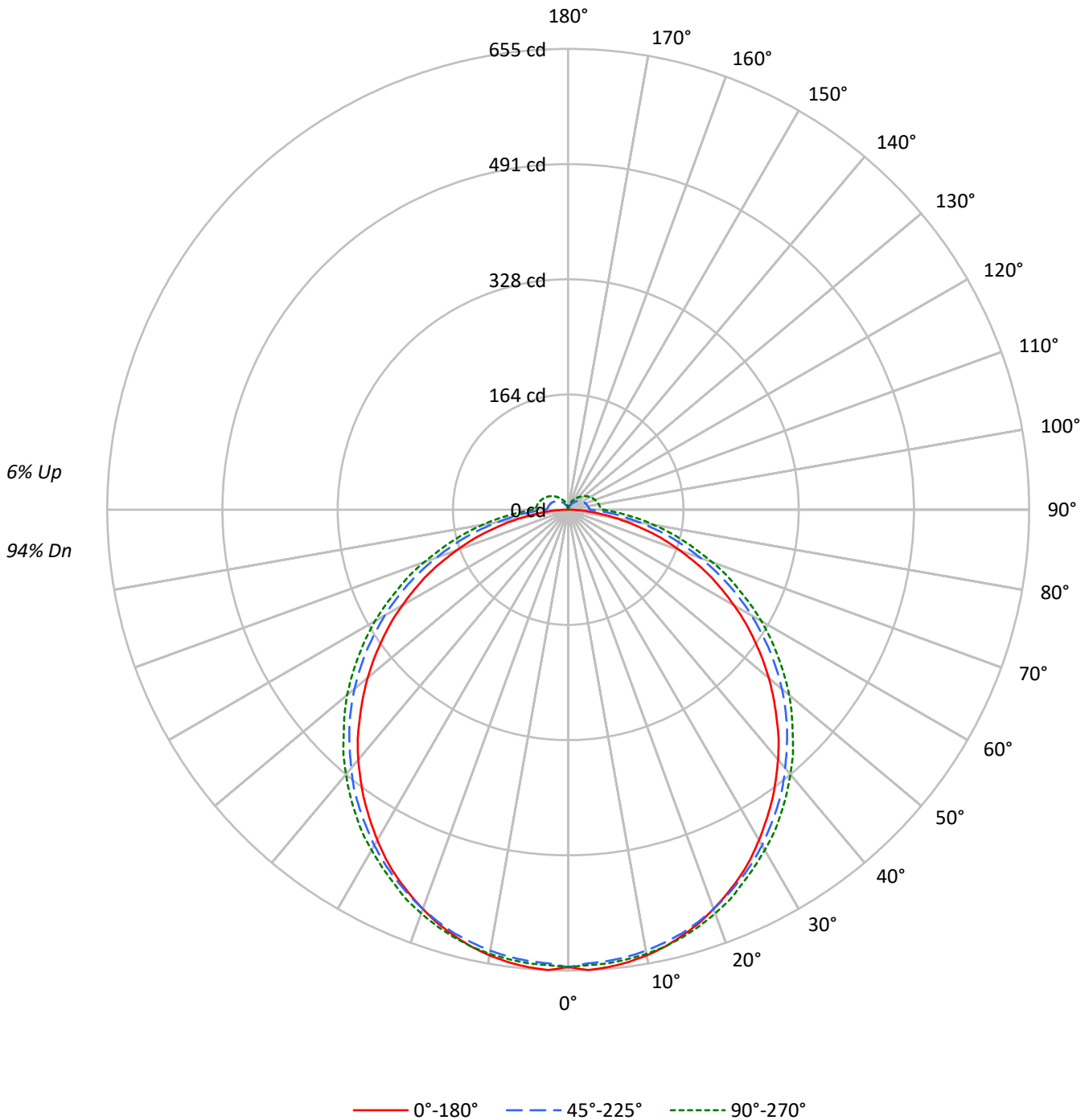
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2066.0 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87		88	86	83		84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71		77	73	69		73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59		68	62	57		64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50		60	54	49		57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43		54	47	42		51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38		49	42	37		47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33		44	38	33		43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30		41	34	29		39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27		37	31	26		36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24		35	28	24		33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13995	13995	13995
5°	14079	13755	13785
10°	14009	13598	13612
15°	13890	13417	13417
20°	13733	13200	13188
25°	13555	12964	12918
30°	13318	12723	12669
35°	13078	12440	12407
40°	12813	12129	12113
45°	12481	11822	11772
50°	12160	11470	11459
55°	11762	11039	11026
60°	11312	10543	10598
65°	10830	9955	10008
70°	10020	9218	9399
75°	9037	8347	8666
80°	7584	7197	7858
85°	5686	6176	6904



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	3.0
10°-20°	176.9	8.6
20°-30°	268.1	13.0
30°-40°	323.7	15.7
40°-50°	338.0	16.4
50°-60°	310.5	15.0
60°-70°	245.6	11.9
70°-80°	155.4	7.5
80°-90°	66.8	3.2
90°-100°	29.4	1.4
100°-110°	26.3	1.3
110°-120°	22.2	1.1
120°-130°	17.3	0.8
130°-140°	12.0	0.6
140°-150°	7.2	0.3
150°-160°	3.5	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	506.7	24.5
0°-40°	830.4	40.2
0°-60°	1478.9	71.6
0°-90°	1946.6	94.2
90°-120°	77.9	3.8
90°-150°	114.5	5.5
90°-180°	119.0	5.8
0°-180°	2066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	653	651	644	649	647	62
15°	627	627	623	630	629	177
25°	576	579	580	587	586	265
35°	505	511	517	525	527	316
45°	418	429	440	448	451	323
55°	323	336	350	361	364	289
65°	222	234	251	263	267	219
75°	117	131	150	163	169	124
85°	28	44	63	76	81	32
90°	2	16	32	45	50	2
95°	0	14	29	41	45	0
105°	0	12	27	38	42	0
115°	0	11	25	35	38	0
125°	1	10	21	30	33	1
135°	1	7	17	24	27	1
145°	1	6	12	18	20	0
155°	1	4	8	11	14	0
165°	1	3	4	6	8	0
175°	1	2	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°	650.1	650.1	650.1	650.1	650.1
2.5°	654.9	652.7	645.4	650.5	647.9
5°	652.7	650.9	643.9	649.4	647.2
7.5°	648.7	647.2	641.0	646.8	644.6
10°	643.2	642.1	636.6	642.4	641.0
12.5°	636.2	635.9	630.4	637.0	635.9
15°	626.7	626.7	623.4	630.0	628.9
17.5°	616.5	616.8	614.3	621.2	620.5
20°	604.0	605.9	604.0	611.4	610.6
22.5°	590.5	593.1	592.3	599.6	600.0
25°	576.2	578.8	579.5	587.2	586.1
27.5°	560.5	564.5	566.0	572.9	572.6
30°	542.2	547.7	551.0	556.8	558.7
32.5°	523.5	530.1	534.2	542.2	544.4
35°	504.9	510.7	517.3	525.4	527.2
37.5°	484.4	491.0	499.8	507.4	509.6
40°	463.9	471.2	479.6	488.1	491.3
42.5°	442.7	450.4	459.5	469.4	472.7
45°	418.5	428.8	439.8	448.2	451.1
47.5°	395.5	406.8	418.5	427.7	431.0
50°	372.1	384.2	396.6	405.0	410.1
52.5°	347.6	360.7	373.2	383.8	387.1
55°	322.7	335.9	349.8	361.1	363.7
57.5°	298.5	311.3	325.2	335.9	341.0
60°	272.2	286.1	301.1	311.7	317.2
62.5°	246.6	260.1	276.2	287.6	292.0
65°	222.1	234.5	251.0	262.7	266.7
67.5°	195.0	209.3	225.0	238.5	243.7
70°	168.3	181.8	199.8	212.6	217.7
72.5°	143.4	156.6	174.5	187.3	192.1
75°	117.1	131.0	150.0	162.8	169.0
77.5°	91.8	107.2	125.5	139.4	146.3
80°	68.4	82.0	101.7	117.1	123.3
82.5°	46.5	61.1	81.6	95.9	102.8
85°	28.5	43.9	62.9	76.5	81.2
87.5°	13.5	28.2	45.7	58.9	64.8
90°	1.8	15.7	32.2	45.0	49.8
92.5°	0.4	13.5	29.6	41.7	46.1
95°	0.4	13.5	29.3	41.0	45.4
97.5°	0.4	13.2	28.9	40.6	44.6
100°	0.4	12.8	28.5	39.9	44.3
102.5°	0.4	12.8	27.8	39.1	43.2
105°	0.4	12.4	27.4	38.4	42.4
107.5°	0.4	12.1	26.7	37.7	41.7
110°	0.4	11.3	26.3	36.6	40.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	11.0	25.6	35.9	39.5
115°	0.4	10.6	24.9	34.8	38.4
117.5°	0.4	10.2	23.8	33.7	37.3
120°	0.7	10.2	23.0	32.6	35.9
122.5°	0.7	9.9	22.0	31.1	34.4
125°	0.7	9.5	20.9	30.0	33.3
127.5°	0.7	9.1	19.8	28.5	31.5
130°	0.7	8.4	19.0	27.1	30.0
132.5°	0.7	8.0	17.9	25.2	28.2
135°	0.7	7.3	16.8	23.8	26.7
137.5°	0.7	7.0	15.7	22.3	24.9
140°	0.7	6.6	14.3	20.9	23.4
142.5°	0.7	5.9	13.2	19.4	21.6
145°	0.7	5.5	11.7	17.9	19.8
147.5°	0.7	4.8	10.6	16.5	18.3
150°	0.7	4.4	9.5	15.0	16.8
152.5°	0.7	4.0	8.4	13.2	15.0
155°	0.7	3.7	7.7	11.3	13.5
157.5°	0.7	3.3	6.6	9.9	12.1
160°	1.1	2.9	5.9	8.4	10.2
162.5°	1.1	2.6	4.8	7.0	9.1
165°	1.1	2.6	4.0	5.5	7.7
167.5°	1.1	2.2	3.3	4.4	6.2
170°	1.1	1.8	2.9	3.3	4.8
172.5°	1.1	1.5	2.2	2.2	2.6
175°	1.1	1.5	1.8	1.8	1.1
177.5°	1.1	1.1	1.1	1.1	0.7
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)