

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: P566138

Luminaire Tested: **4SNX-22SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566138  
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: 4SNX-22SL-FDL-UNV-L930-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

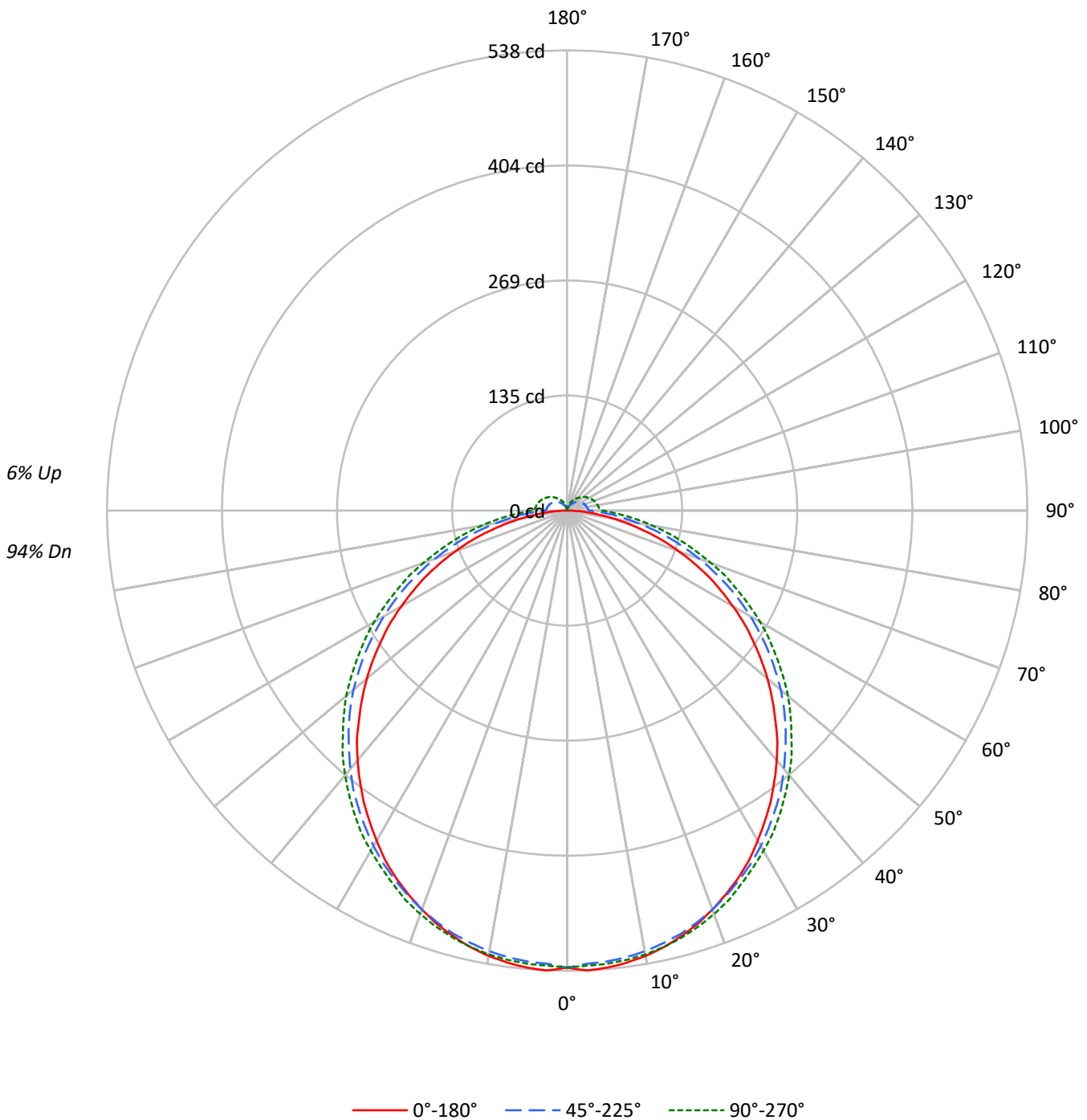
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1698.0 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 13.8  
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

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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	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°	5751	5751	5751
5°	5791	5656	5665
10°	5767	5595	5594
15°	5724	5525	5514
20°	5665	5438	5420
25°	5598	5345	5308
30°	5505	5248	5206
35°	5414	5137	5099
40°	5311	5012	4978
45°	5183	4889	4838
50°	5058	4749	4710
55°	4904	4577	4531
60°	4730	4379	4355
65°	4547	4142	4113
70°	4231	3845	3862
75°	3851	3495	3561
80°	3289	3030	3228
85°	2594	2626	2840



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.7	3.0
10°-20°	145.4	8.6
20°-30°	220.4	13.0
30°-40°	266.0	15.7
40°-50°	277.8	16.4
50°-60°	255.2	15.0
60°-70°	201.8	11.9
70°-80°	127.7	7.5
80°-90°	54.9	3.2
90°-100°	24.2	1.4
100°-110°	21.6	1.3
110°-120°	18.3	1.1
120°-130°	14.2	0.8
130°-140°	9.8	0.6
140°-150°	5.9	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	416.4	24.5
0°-40°	682.5	40.2
0°-60°	1215.5	71.6
0°-90°	1599.9	94.2
90°-120°	64.1	3.8
90°-150°	94.1	5.5
90°-180°	98.0	5.8
0°-180°	1698.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	536	535	529	534	532	51
15°	515	515	512	518	517	145
25°	474	476	476	483	482	218
35°	415	420	425	432	433	259
45°	344	352	361	368	371	266
55°	265	276	288	297	299	237
65°	182	193	206	216	219	180
75°	96	108	123	134	139	102
85°	24	36	52	63	67	26
90°	2	13	26	37	41	2
95°	0	11	24	34	37	0
105°	0	10	23	32	35	0
115°	0	9	20	29	32	0
125°	1	8	17	25	27	1
135°	1	6	14	20	22	0
145°	1	4	10	15	16	0
155°	1	3	6	9	11	0
165°	1	2	3	4	6	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°	534.3	534.3	534.3	534.3	534.3
2.5°	538.2	536.4	530.4	534.6	532.5
5°	536.4	534.9	529.2	533.7	531.9
7.5°	533.1	531.9	526.8	531.6	529.8
10°	528.6	527.7	523.2	528.0	526.8
12.5°	522.9	522.6	518.1	523.5	522.6
15°	515.1	515.1	512.4	517.8	516.9
17.5°	506.7	507.0	504.9	510.6	510.0
20°	496.4	497.9	496.4	502.5	501.9
22.5°	485.3	487.4	486.8	492.8	493.1
25°	473.6	475.7	476.3	482.6	481.7
27.5°	460.7	464.0	465.2	470.9	470.6
30°	445.6	450.1	452.8	457.7	459.2
32.5°	430.3	435.7	439.0	445.6	447.4
35°	415.0	419.8	425.2	431.8	433.3
37.5°	398.1	403.5	410.7	417.1	418.9
40°	381.3	387.3	394.2	401.1	403.8
42.5°	363.8	370.2	377.7	385.8	388.5
45°	344.0	352.4	361.4	368.3	370.8
47.5°	325.0	334.4	344.0	351.5	354.2
50°	305.8	315.7	325.9	332.9	337.1
52.5°	285.7	296.5	306.7	315.4	318.1
55°	265.2	276.0	287.5	296.8	298.9
57.5°	245.4	255.9	267.3	276.0	280.2
60°	223.7	235.1	247.5	256.2	260.7
62.5°	202.7	213.8	227.0	236.3	240.0
65°	182.5	192.7	206.3	215.9	219.2
67.5°	160.3	172.0	184.9	196.1	200.3
70°	138.3	149.4	164.2	174.7	178.9
72.5°	117.9	128.7	143.4	154.0	157.9
75°	96.2	107.6	123.3	133.8	138.9
77.5°	75.5	88.1	103.1	114.6	120.3
80°	56.2	67.4	83.6	96.2	101.3
82.5°	38.2	50.2	67.1	78.8	84.5
85°	23.5	36.1	51.7	62.8	66.8
87.5°	11.1	23.2	37.6	48.4	53.2
90°	1.5	12.9	26.5	37.0	40.9
92.5°	0.3	11.1	24.4	34.3	37.9
95°	0.3	11.1	24.1	33.7	37.3
97.5°	0.3	10.8	23.8	33.4	36.7
100°	0.3	10.5	23.5	32.8	36.4
102.5°	0.3	10.5	22.9	32.2	35.5
105°	0.3	10.2	22.6	31.6	34.9
107.5°	0.3	9.9	22.0	31.0	34.3
110°	0.3	9.3	21.6	30.1	33.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.0	21.0	29.5	32.5
115°	0.3	8.7	20.4	28.6	31.6
117.5°	0.3	8.4	19.5	27.7	30.7
120°	0.6	8.4	18.9	26.8	29.5
122.5°	0.6	8.1	18.0	25.6	28.3
125°	0.6	7.8	17.1	24.7	27.4
127.5°	0.6	7.5	16.2	23.5	25.9
130°	0.6	6.9	15.6	22.3	24.7
132.5°	0.6	6.6	14.7	20.7	23.2
135°	0.6	6.0	13.8	19.5	22.0
137.5°	0.6	5.7	12.9	18.3	20.4
140°	0.6	5.4	11.7	17.1	19.2
142.5°	0.6	4.8	10.8	15.9	17.7
145°	0.6	4.5	9.6	14.7	16.2
147.5°	0.6	3.9	8.7	13.5	15.0
150°	0.6	3.6	7.8	12.3	13.8
152.5°	0.6	3.3	6.9	10.8	12.3
155°	0.6	3.0	6.3	9.3	11.1
157.5°	0.6	2.7	5.4	8.1	9.9
160°	0.9	2.4	4.8	6.9	8.4
162.5°	0.9	2.1	3.9	5.7	7.5
165°	0.9	2.1	3.3	4.5	6.3
167.5°	0.9	1.8	2.7	3.6	5.1
170°	0.9	1.5	2.4	2.7	3.9
172.5°	0.9	1.2	1.8	1.8	2.1
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)