

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: P566162

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566162  
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: 4SNX-22SL-LW-UNV-L930-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

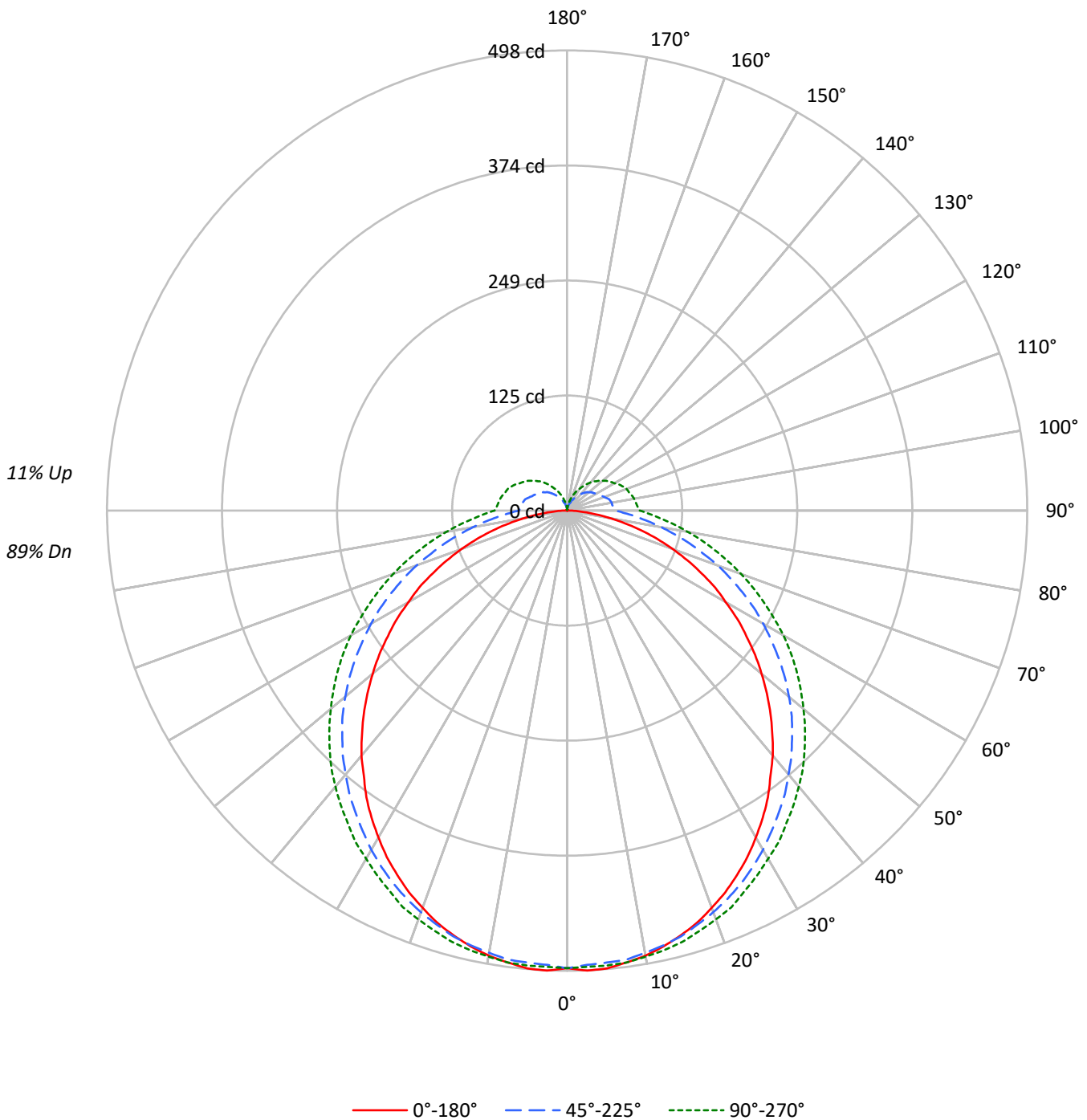
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1763.0 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-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	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°	5330	5330	5330
5°	5354	5084	5046
10°	5307	4881	4793
15°	5244	4686	4567
20°	5162	4482	4339
25°	5068	4286	4117
30°	4957	4086	3904
35°	4836	3884	3704
40°	4700	3687	3515
45°	4551	3490	3320
50°	4382	3287	3116
55°	4196	3061	2916
60°	3978	2825	2704
65°	3748	2570	2462
70°	3431	2299	2224
75°	3013	1983	1972
80°	2357	1664	1721
85°	1539	1368	1463



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.0	2.7
10°-20°	135.2	7.7
20°-30°	205.6	11.7
30°-40°	249.5	14.2
40°-50°	263.7	15.0
50°-60°	246.8	14.0
60°-70°	202.5	11.5
70°-80°	139.3	7.9
80°-90°	76.3	4.3
90°-100°	49.1	2.8
100°-110°	44.1	2.5
110°-120°	36.5	2.1
120°-130°	28.1	1.6
130°-140°	19.7	1.1
140°-150°	11.9	0.7
150°-160°	5.7	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	387.8	22.0
0°-40°	637.4	36.2
0°-60°	1147.8	65.1
0°-90°	1565.8	88.8
90°-120°	129.6	7.4
90°-150°	189.4	10.7
90°-180°	197.0	11.2
0°-180°	1763.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	495	495	495	495	495	
5°	497	496	491	495	494	47
15°	476	478	477	483	483	134
25°	435	440	445	454	454	200
35°	379	388	399	410	414	237
45°	311	326	344	359	364	240
55°	237	256	280	297	303	212
65°	160	182	209	229	235	159
75°	84	106	137	158	165	88
85°	18	44	74	95	102	21
90°	0	24	52	72	79	1
95°	0	24	50	68	76	0
105°	0	19	47	64	70	1
115°	1	17	40	57	64	1
125°	1	14	34	49	55	1
135°	1	11	28	40	45	1
145°	1	8	19	31	34	1
155°	1	5	12	19	22	0
165°	1	3	6	9	11	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°	495.2	495.2	495.2	495.2	495.2
2.5°	498.3	497.3	492.2	496.3	494.2
5°	497.3	496.3	491.1	495.2	494.2
7.5°	493.2	493.2	490.1	494.2	493.2
10°	489.1	489.1	486.0	491.1	490.1
12.5°	483.0	484.0	482.0	488.1	487.1
15°	475.8	477.9	476.9	483.0	483.0
17.5°	467.7	469.7	469.7	476.9	476.9
20°	457.5	460.5	462.6	470.7	470.7
22.5°	447.2	451.3	454.4	461.5	464.6
25°	435.0	440.1	445.2	454.4	454.4
27.5°	422.7	428.9	435.0	444.2	445.2
30°	408.4	415.6	423.8	432.9	435.0
32.5°	394.1	403.3	411.5	422.7	425.8
35°	378.8	388.0	399.2	410.5	413.5
37.5°	361.5	372.7	387.0	399.2	402.3
40°	346.2	358.4	372.7	387.0	390.1
42.5°	328.8	342.1	359.4	372.7	377.8
45°	311.4	325.7	344.1	359.4	363.5
47.5°	293.1	309.4	329.8	344.1	349.2
50°	274.7	292.0	313.5	329.8	333.9
52.5°	256.3	274.7	297.1	313.5	318.6
55°	236.9	256.3	279.8	297.1	303.3
57.5°	218.5	237.9	262.4	280.8	286.9
60°	198.1	220.6	245.1	263.4	270.6
62.5°	180.7	201.2	227.7	246.1	252.2
65°	160.3	181.8	209.3	228.7	234.9
67.5°	140.9	163.4	190.9	211.4	217.5
70°	121.5	144.0	173.6	193.0	200.1
72.5°	102.1	125.6	154.2	175.6	182.8
75°	83.7	106.2	136.8	158.3	165.4
77.5°	64.3	88.8	119.5	140.9	149.1
80°	47.0	72.5	103.1	124.6	132.7
82.5°	31.7	57.2	87.8	109.3	117.4
85°	18.4	43.9	74.5	95.0	102.1
87.5°	9.2	33.7	62.3	82.7	89.9
90°	0.0	24.5	52.1	71.5	78.6
92.5°	0.0	23.5	51.1	69.4	76.6
95°	0.0	23.5	50.0	68.4	75.6
97.5°	0.0	22.5	49.0	68.4	74.5
100°	0.0	21.4	49.0	67.4	73.5
102.5°	0.0	20.4	48.0	66.4	72.5
105°	0.0	19.4	47.0	64.3	70.5
107.5°	1.0	19.4	44.9	63.3	69.4
110°	1.0	18.4	42.9	62.3	68.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.4	40.8	60.2	66.4
115°	1.0	17.4	39.8	57.2	64.3
117.5°	1.0	16.3	37.8	55.1	62.3
120°	1.0	16.3	36.8	53.1	59.2
122.5°	1.0	15.3	34.7	51.1	57.2
125°	1.0	14.3	33.7	49.0	55.1
127.5°	1.0	13.3	32.7	47.0	53.1
130°	1.0	12.3	30.6	44.9	50.0
132.5°	1.0	12.3	29.6	41.9	48.0
135°	1.0	11.2	27.6	39.8	44.9
137.5°	1.0	10.2	25.5	37.8	42.9
140°	1.0	9.2	23.5	35.7	39.8
142.5°	1.0	9.2	21.4	32.7	36.8
145°	1.0	8.2	19.4	30.6	33.7
147.5°	1.0	7.1	17.4	27.6	30.6
150°	1.0	7.1	15.3	24.5	27.6
152.5°	1.0	6.1	13.3	22.5	25.5
155°	1.0	5.1	12.3	19.4	22.5
157.5°	1.0	5.1	10.2	16.3	19.4
160°	1.0	4.1	9.2	13.3	16.3
162.5°	1.0	4.1	8.2	11.2	14.3
165°	1.0	3.1	6.1	9.2	11.2
167.5°	1.0	3.1	5.1	7.1	9.2
170°	1.0	2.0	4.1	5.1	7.1
172.5°	1.0	2.0	3.1	3.1	3.1
175°	1.0	1.0	2.0	2.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)