

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: P566164

Luminaire Tested: **4SNX-22SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566164  
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-L940-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

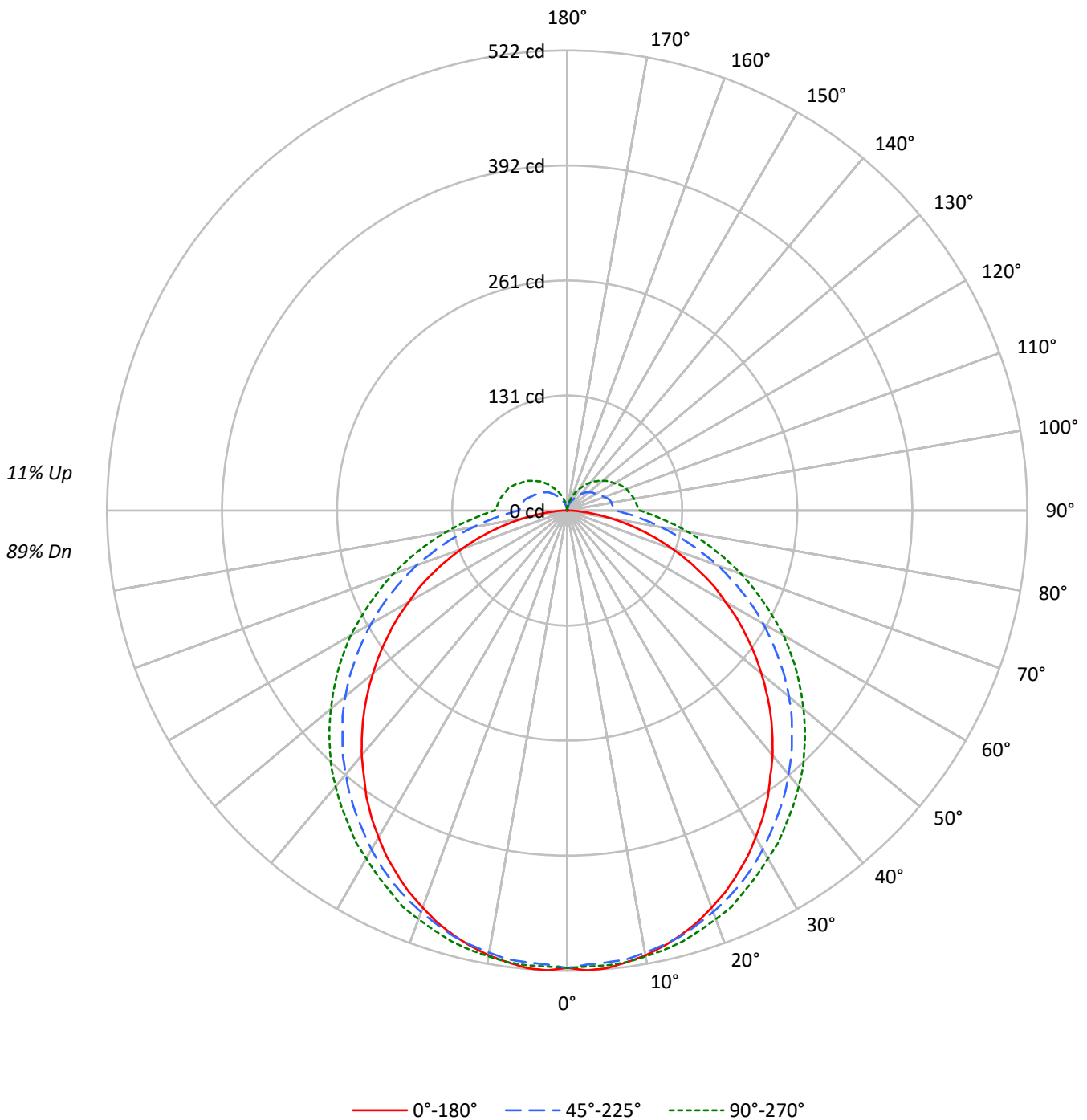
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1847.0 lumens  
Efficiency: N/A  
Efficacy: 133.8 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 (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	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°	5584	5584	5584
5°	5609	5326	5286
10°	5560	5114	5022
15°	5494	4909	4784
20°	5407	4695	4546
25°	5309	4490	4313
30°	5193	4280	4090
35°	5068	4069	3881
40°	4923	3863	3682
45°	4768	3656	3478
50°	4591	3444	3264
55°	4396	3207	3054
60°	4166	2959	2832
65°	3928	2693	2579
70°	3595	2409	2331
75°	3156	2077	2066
80°	2467	1743	1803
85°	1615	1434	1533



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	2.7
10°-20°	141.6	7.7
20°-30°	215.4	11.7
30°-40°	261.4	14.2
40°-50°	276.3	15.0
50°-60°	258.5	14.0
60°-70°	212.1	11.5
70°-80°	145.9	7.9
80°-90°	79.9	4.3
90°-100°	51.4	2.8
100°-110°	46.2	2.5
110°-120°	38.2	2.1
120°-130°	29.4	1.6
130°-140°	20.7	1.1
140°-150°	12.5	0.7
150°-160°	6.0	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	406.3	22.0
0°-40°	667.7	36.2
0°-60°	1202.5	65.1
0°-90°	1640.5	88.8
90°-120°	135.8	7.4
90°-150°	198.4	10.7
90°-180°	207.0	11.2
0°-180°	1847.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	519	519	519	519	519	
5°	521	520	514	519	518	49
15°	498	501	500	506	506	141
25°	456	461	466	476	476	210
35°	397	406	418	430	433	248
45°	326	341	360	377	381	251
55°	248	268	293	311	318	222
65°	168	190	219	240	246	166
75°	88	111	143	166	173	92
85°	19	46	78	100	107	22
90°	0	26	55	75	82	1
95°	0	25	52	72	79	0
105°	0	20	49	67	74	1
115°	1	18	42	60	67	1
125°	1	15	35	51	58	1
135°	1	12	29	42	47	1
145°	1	9	20	32	35	1
155°	1	5	13	20	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°	518.8	518.8	518.8	518.8	518.8
2.5°	522.0	521.0	515.6	519.9	517.8
5°	521.0	519.9	514.5	518.8	517.8
7.5°	516.7	516.7	513.5	517.8	516.7
10°	512.4	512.4	509.2	514.5	513.5
12.5°	506.0	507.1	504.9	511.3	510.3
15°	498.5	500.6	499.6	506.0	506.0
17.5°	489.9	492.1	492.1	499.6	499.6
20°	479.2	482.5	484.6	493.2	493.2
22.5°	468.5	472.8	476.0	483.5	486.7
25°	455.7	461.1	466.4	476.0	476.0
27.5°	442.9	449.3	455.7	465.3	466.4
30°	427.9	435.4	443.9	453.6	455.7
32.5°	412.9	422.5	431.1	442.9	446.1
35°	396.9	406.5	418.3	430.0	433.2
37.5°	378.7	390.5	405.4	418.3	421.5
40°	362.6	375.5	390.5	405.4	408.6
42.5°	344.5	358.4	376.6	390.5	395.8
45°	326.3	341.2	360.5	376.6	380.8
47.5°	307.0	324.1	345.5	360.5	365.9
50°	287.8	305.9	328.4	345.5	349.8
52.5°	268.5	287.8	311.3	328.4	333.8
55°	248.2	268.5	293.1	311.3	317.7
57.5°	228.9	249.3	274.9	294.2	300.6
60°	207.5	231.1	256.7	276.0	283.5
62.5°	189.3	210.7	238.6	257.8	264.2
65°	168.0	190.4	219.3	239.6	246.0
67.5°	147.6	171.2	200.0	221.4	227.9
70°	127.3	150.8	181.9	202.2	209.7
72.5°	107.0	131.6	161.5	184.0	191.5
75°	87.7	111.3	143.3	165.8	173.3
77.5°	67.4	93.1	125.2	147.6	156.2
80°	49.2	76.0	108.0	130.5	139.1
82.5°	33.2	59.9	92.0	114.5	123.0
85°	19.3	46.0	78.1	99.5	107.0
87.5°	9.6	35.3	65.3	86.6	94.1
90°	0.0	25.7	54.6	74.9	82.4
92.5°	0.0	24.6	53.5	72.7	80.2
95°	0.0	24.6	52.4	71.7	79.2
97.5°	0.0	23.5	51.3	71.7	78.1
100°	0.0	22.5	51.3	70.6	77.0
102.5°	0.0	21.4	50.3	69.5	76.0
105°	0.0	20.3	49.2	67.4	73.8
107.5°	1.1	20.3	47.1	66.3	72.7
110°	1.1	19.3	44.9	65.3	71.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.2	42.8	63.1	69.5
115°	1.1	18.2	41.7	59.9	67.4
117.5°	1.1	17.1	39.6	57.8	65.3
120°	1.1	17.1	38.5	55.6	62.0
122.5°	1.1	16.0	36.4	53.5	59.9
125°	1.1	15.0	35.3	51.3	57.8
127.5°	1.1	13.9	34.2	49.2	55.6
130°	1.1	12.8	32.1	47.1	52.4
132.5°	1.1	12.8	31.0	43.9	50.3
135°	1.1	11.8	28.9	41.7	47.1
137.5°	1.1	10.7	26.7	39.6	44.9
140°	1.1	9.6	24.6	37.4	41.7
142.5°	1.1	9.6	22.5	34.2	38.5
145°	1.1	8.6	20.3	32.1	35.3
147.5°	1.1	7.5	18.2	28.9	32.1
150°	1.1	7.5	16.0	25.7	28.9
152.5°	1.1	6.4	13.9	23.5	26.7
155°	1.1	5.3	12.8	20.3	23.5
157.5°	1.1	5.3	10.7	17.1	20.3
160°	1.1	4.3	9.6	13.9	17.1
162.5°	1.1	4.3	8.6	11.8	15.0
165°	1.1	3.2	6.4	9.6	11.8
167.5°	1.1	3.2	5.3	7.5	9.6
170°	1.1	2.1	4.3	5.3	7.5
172.5°	1.1	2.1	3.2	3.2	3.2
175°	1.1	1.1	2.1	2.1	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)