

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: P566147

Luminaire Tested: **4SNX-22SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-22SL-LC-UNV-L935-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

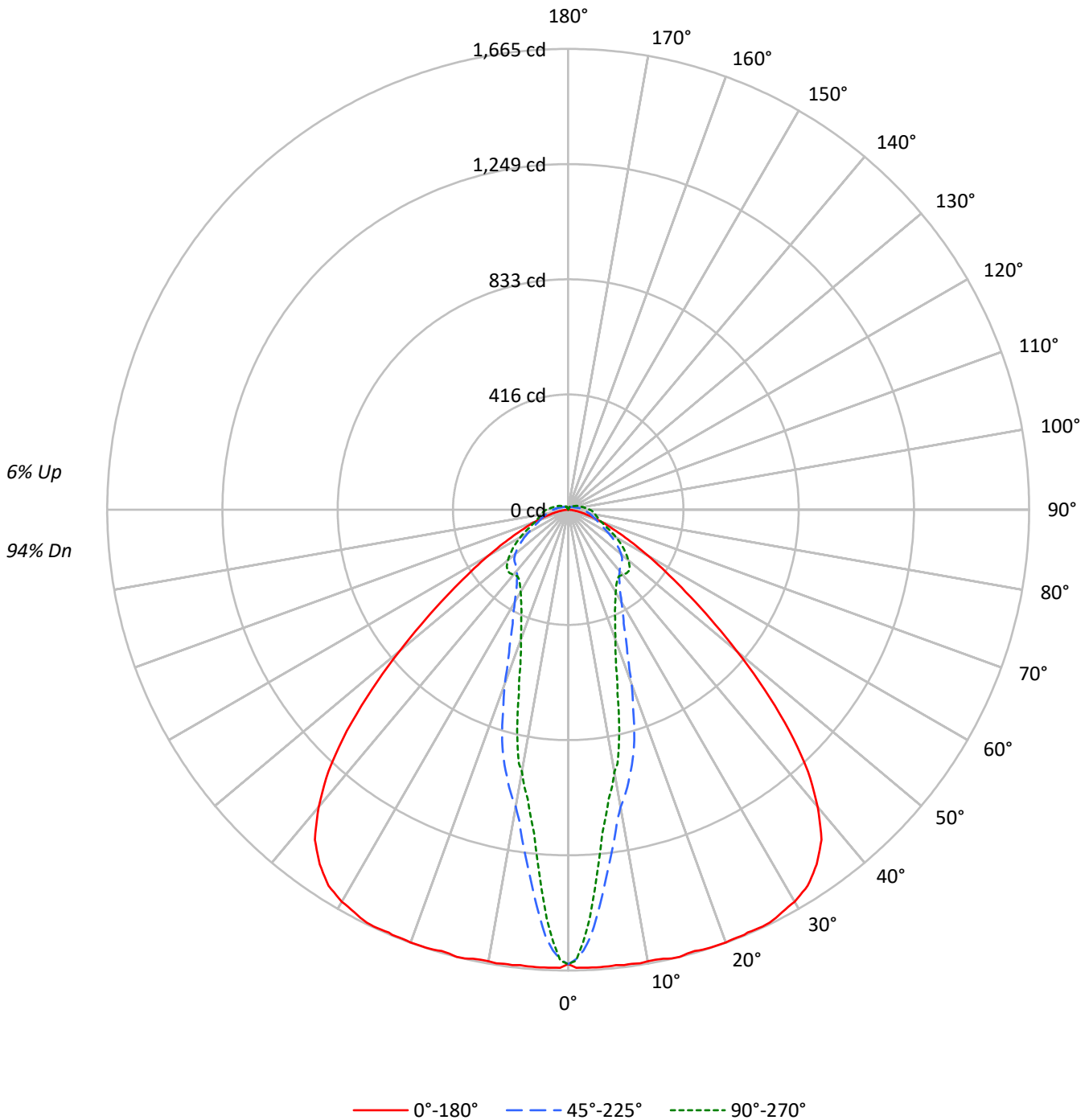
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2024.0 lumens  
Efficiency: N/A  
Efficacy: 146.7 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: 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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

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

	0°	45°	90°
0°	17674	17674	17674
5°	17834	14517	12994
10°	17973	10959	9404
15°	18301	8957	6511
20°	18773	6482	4599
25°	19359	4644	3618
30°	19853	3710	3081
35°	19971	3138	2760
40°	19040	2853	2766
45°	16522	2757	2842
50°	12675	2622	2652
55°	9186	2292	2353
60°	6664	1914	1990
65°	4851	1617	1631
70°	3572	1429	1406
75°	2537	1323	1310
80°	1665	1240	1291
85°	778	1181	1292



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.1	6.4
10°-20°	280.4	13.9
20°-30°	321.0	15.9
30°-40°	321.5	15.9
40°-50°	304.4	15.0
50°-60°	233.4	11.5
60°-70°	150.5	7.4
70°-80°	96.0	4.7
80°-90°	63.7	3.1
90°-100°	42.8	2.1
100°-110°	28.2	1.4
110°-120°	19.6	1.0
120°-130°	13.7	0.7
130°-140°	9.5	0.5
140°-150°	5.8	0.3
150°-160°	2.9	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	730.5	36.1
0°-40°	1052.0	52.0
0°-60°	1589.9	78.6
0°-90°	1900.0	93.9
90°-120°	90.7	4.5
90°-150°	119.7	5.9
90°-180°	124.0	6.1
0°-180°	2024.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1656	1565	1402	1308	1273	158
15°	1661	1196	912	749	689	471
25°	1662	846	482	419	399	766
35°	1564	471	323	312	308	970
45°	1131	298	272	301	311	860
55°	519	213	210	236	245	477
65°	208	134	132	150	156	213
75°	70	73	91	105	110	78
85°	9	33	64	84	90	13
90°	0	23	54	75	78	0
95°	0	17	45	61	64	0
105°	0	12	29	42	45	1
115°	1	10	22	30	32	1
125°	1	9	19	22	23	1
135°	1	7	14	18	19	1
145°	1	5	10	14	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1642.0	1642.0	1642.0	1642.0	1642.0
1°	1655.5	1646.1	1624.3	1630.6	1629.5
2°	1655.5	1635.7	1593.2	1580.8	1562.1
3°	1656.5	1618.1	1545.5	1505.0	1479.1
4°	1656.5	1592.2	1475.0	1407.5	1374.4
5°	1656.5	1565.2	1402.4	1308.0	1272.7
6°	1654.4	1533.1	1328.7	1229.1	1176.2
7°	1657.5	1497.8	1262.3	1155.5	1114.0
8°	1656.5	1456.3	1201.1	1099.5	1053.8
9°	1659.6	1415.8	1134.8	1046.6	1012.4
10°	1656.5	1378.5	1091.2	996.8	961.5
11°	1656.5	1342.2	1060.1	964.6	934.6
12°	1658.6	1300.7	1025.8	919.0	877.5
13°	1663.7	1258.2	986.4	869.2	820.5
14°	1664.8	1226.0	950.1	805.9	755.1
15°	1660.6	1195.9	911.7	748.9	688.7
16°	1658.6	1164.8	866.1	695.0	641.0
17°	1662.7	1128.5	814.2	640.0	590.2
18°	1663.7	1095.3	759.3	598.5	554.9
19°	1663.7	1069.4	714.7	560.1	522.8
20°	1663.7	1044.5	669.0	531.1	498.9
21°	1661.7	1013.4	617.2	501.0	474.0
22.5°	1662.7	955.3	558.0	465.7	443.9
23°	1659.6	940.8	543.5	456.4	433.6
24°	1660.6	899.3	512.4	437.7	415.9
25°	1661.7	846.4	482.3	419.0	399.3
26°	1659.6	803.9	457.4	401.4	387.9
27°	1654.4	769.6	439.8	386.9	374.4
28°	1647.2	724.0	421.1	374.4	363.0
29°	1639.9	672.1	402.5	361.0	352.7
30°	1635.7	630.6	384.8	350.6	343.3
32.5°	1610.8	548.7	348.5	329.8	323.6
35°	1564.2	470.9	322.6	312.2	308.1
37.5°	1503.0	410.8	302.9	300.8	301.8
40°	1402.4	363.0	288.4	297.7	307.0
42.5°	1282.0	325.7	278.0	300.8	311.2
45°	1130.6	297.7	271.8	300.8	311.2
47.5°	962.6	274.9	264.5	290.4	300.8
50°	794.5	254.1	250.0	274.9	284.2
52.5°	646.2	234.4	231.3	255.2	264.5
55°	518.6	212.6	209.5	235.5	244.8
57.5°	415.9	191.9	188.8	212.6	222.0
60°	331.9	171.1	166.0	189.8	199.2
62.5°	264.5	151.4	148.3	169.1	177.4
65°	207.5	133.8	131.7	150.4	155.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	163.9	117.2	118.2	133.8	140.0
70°	126.5	101.7	107.9	122.4	126.5
72.5°	95.4	86.1	99.6	112.0	117.2
75°	70.5	72.6	91.3	104.8	109.9
77.5°	48.8	60.2	84.0	98.5	103.7
80°	33.2	48.8	76.8	93.4	99.6
82.5°	19.7	40.5	70.5	88.2	95.4
85°	9.3	33.2	64.3	84.0	90.2
87.5°	3.1	27.0	58.1	79.9	85.1
90°	0.0	22.8	53.9	74.7	77.8
92.5°	0.0	19.7	48.8	68.5	70.5
95°	0.0	16.6	44.6	61.2	64.3
97.5°	0.0	15.6	41.5	55.0	59.1
100°	0.0	14.5	37.3	49.8	53.9
102.5°	0.0	12.4	33.2	44.6	48.8
105°	0.0	12.4	29.0	41.5	44.6
107.5°	1.0	11.4	27.0	37.3	41.5
110°	1.0	11.4	23.9	35.3	38.4
112.5°	1.0	11.4	22.8	32.2	36.3
115°	1.0	10.4	21.8	30.1	32.2
117.5°	1.0	10.4	20.7	27.0	29.0
120°	1.0	9.3	19.7	24.9	25.9
122.5°	1.0	9.3	18.7	22.8	23.9
125°	1.0	9.3	18.7	21.8	22.8
127.5°	1.0	8.3	17.6	20.7	20.7
130°	1.0	8.3	16.6	19.7	19.7
132.5°	1.0	7.3	15.6	18.7	19.7
135°	1.0	7.3	14.5	17.6	18.7
137.5°	1.0	6.2	13.5	16.6	17.6
140°	1.0	6.2	12.4	15.6	16.6
142.5°	1.0	5.2	11.4	14.5	15.6
145°	1.0	5.2	10.4	13.5	14.5
147.5°	1.0	5.2	9.3	12.4	13.5
150°	1.0	4.1	8.3	11.4	12.4
152.5°	1.0	4.1	7.3	10.4	11.4
155°	1.0	3.1	6.2	9.3	10.4
157.5°	1.0	3.1	6.2	8.3	9.3
160°	2.1	3.1	5.2	7.3	8.3
162.5°	1.0	2.1	5.2	6.2	7.3
165°	2.1	2.1	4.1	5.2	6.2
167.5°	2.1	2.1	3.1	4.1	5.2
170°	2.1	2.1	3.1	3.1	4.1
172.5°	2.1	2.1	2.1	3.1	2.1
175°	2.1	2.1	2.1	2.1	1.0
177.5°	2.1	2.1	2.1	2.1	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)