

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: P566389

Luminaire Tested: **4SNX-41SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566389  
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-41SL-LC-UNV-L950-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

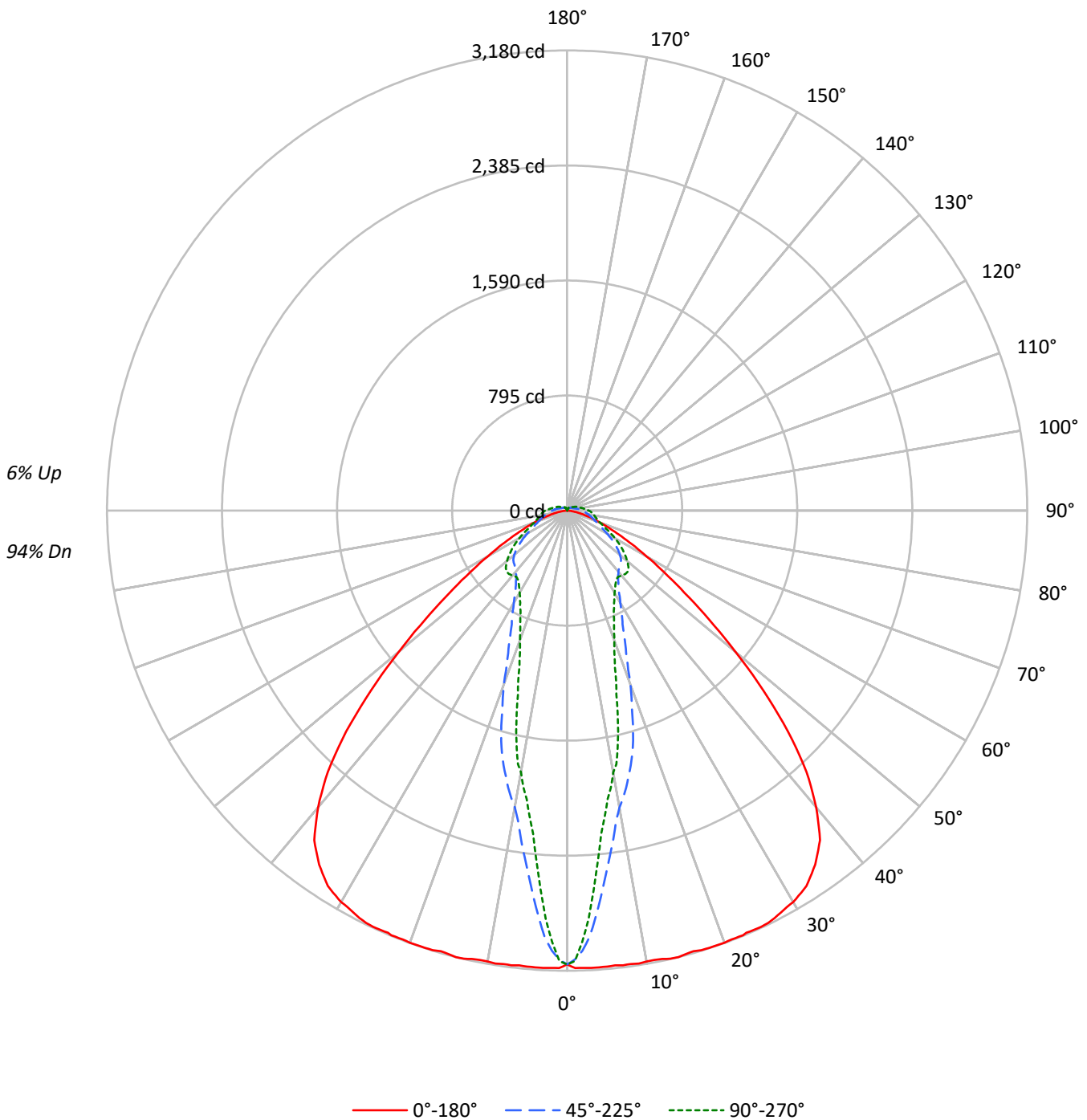
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3866.0 lumens  
Efficiency: N/A  
Efficacy: 147.0 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): 26.3  
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	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

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

	0°	45°	90°
0°	33759	33759	33759
5°	34063	27727	24819
10°	34330	20933	17962
15°	34956	17110	12438
20°	35858	12381	8785
25°	36977	8870	6911
30°	37921	7086	5886
35°	38146	5995	5271
40°	36366	5449	5284
45°	31558	5265	5429
50°	24211	5007	5066
55°	17546	4378	4495
60°	12730	3654	3801
65°	9263	3090	3115
70°	6825	2728	2686
75°	4848	2526	2504
80°	3179	2366	2466
85°	1489	2255	2470



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.6	6.4
10°-20°	535.6	13.9
20°-30°	613.1	15.9
30°-40°	614.2	15.9
40°-50°	581.4	15.0
50°-60°	445.9	11.5
60°-70°	287.4	7.4
70°-80°	183.3	4.7
80°-90°	121.7	3.1
90°-100°	81.8	2.1
100°-110°	53.9	1.4
110°-120°	37.5	1.0
120°-130°	26.1	0.7
130°-140°	18.2	0.5
140°-150°	11.1	0.3
150°-160°	5.6	0.1
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1395.3	36.1
0°-40°	2009.5	52.0
0°-60°	3036.8	78.6
0°-90°	3629.1	93.9
90°-120°	173.2	4.5
90°-150°	228.6	5.9
90°-180°	237.0	6.1
0°-180°	3866.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3136	3136	3136	3136	3136	
5°	3164	2990	2679	2498	2431	302
15°	3172	2284	1742	1430	1316	900
25°	3174	1617	921	800	763	1463
35°	2988	900	616	596	588	1854
45°	2160	569	519	575	594	1642
55°	991	406	400	450	468	911
65°	396	256	252	287	297	408
75°	135	139	174	200	210	148
85°	18	63	123	160	172	24
90°	0	44	103	143	149	1
95°	0	32	85	117	123	0
105°	0	24	56	79	85	1
115°	2	20	42	58	61	2
125°	2	18	36	42	44	2
135°	2	14	28	34	36	2
145°	2	10	20	26	28	1
155°	2	6	12	18	20	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3136.3	3136.3	3136.3	3136.3	3136.3
1°	3162.0	3144.2	3102.6	3114.5	3112.5
2°	3162.0	3124.4	3043.2	3019.4	2983.7
3°	3164.0	3090.7	2952.0	2874.8	2825.2
4°	3164.0	3041.2	2817.3	2688.5	2625.1
5°	3164.0	2989.7	2678.6	2498.3	2431.0
6°	3160.1	2928.3	2538.0	2347.8	2246.7
7°	3166.0	2860.9	2411.2	2207.1	2127.8
8°	3164.0	2781.6	2294.3	2100.1	2012.9
9°	3170.0	2704.4	2167.5	1999.1	1933.7
10°	3164.0	2633.1	2084.3	1904.0	1836.6
11°	3164.0	2563.7	2024.8	1842.5	1785.1
12°	3168.0	2484.5	1959.4	1755.4	1676.1
13°	3177.9	2403.2	1884.1	1660.3	1567.2
14°	3179.9	2341.8	1814.8	1539.4	1442.3
15°	3171.9	2284.4	1741.5	1430.4	1315.5
16°	3168.0	2224.9	1654.3	1327.4	1224.4
17°	3175.9	2155.6	1555.3	1222.4	1127.3
18°	3177.9	2092.2	1450.3	1143.2	1060.0
19°	3177.9	2042.6	1365.1	1069.9	998.5
20°	3177.9	1995.1	1277.9	1014.4	953.0
21°	3173.9	1935.7	1178.8	956.9	905.4
22.5°	3175.9	1824.7	1065.9	889.6	848.0
23°	3170.0	1797.0	1038.2	871.7	828.2
24°	3171.9	1717.7	978.7	836.1	794.5
25°	3173.9	1616.7	921.3	800.4	762.8
26°	3170.0	1535.5	873.7	766.7	741.0
27°	3160.1	1470.1	840.0	739.0	715.2
28°	3146.2	1382.9	804.4	715.2	693.4
29°	3132.3	1283.8	768.7	689.5	673.6
30°	3124.4	1204.6	735.0	669.7	655.8
32.5°	3076.8	1048.1	665.7	630.0	618.1
35°	2987.7	899.5	616.2	596.4	588.4
37.5°	2870.8	784.6	578.5	574.6	576.5
40°	2678.6	693.4	550.8	568.6	586.4
42.5°	2448.8	622.1	531.0	574.6	594.4
45°	2159.5	568.6	519.1	574.6	594.4
47.5°	1838.6	525.0	505.2	554.7	574.6
50°	1517.6	485.4	477.5	525.0	542.9
52.5°	1234.3	447.8	441.8	487.4	505.2
55°	990.6	406.2	400.2	449.7	467.6
57.5°	794.5	366.5	360.6	406.2	424.0
60°	634.0	326.9	317.0	362.6	380.4
62.5°	505.2	289.3	283.3	322.9	338.8
65°	396.2	255.6	251.6	287.3	297.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	313.0	223.9	225.9	255.6	267.5
70°	241.7	194.2	206.0	233.8	241.7
72.5°	182.3	164.4	190.2	214.0	223.9
75°	134.7	138.7	174.3	200.1	210.0
77.5°	93.1	114.9	160.5	188.2	198.1
80°	63.4	93.1	146.6	178.3	190.2
82.5°	37.6	77.3	134.7	168.4	182.3
85°	17.8	63.4	122.8	160.5	172.4
87.5°	5.9	51.5	110.9	152.6	162.5
90°	0.0	43.6	103.0	142.6	148.6
92.5°	0.0	37.6	93.1	130.8	134.7
95°	0.0	31.7	85.2	116.9	122.8
97.5°	0.0	29.7	79.2	105.0	112.9
100°	0.0	27.7	71.3	95.1	103.0
102.5°	0.0	23.8	63.4	85.2	93.1
105°	0.0	23.8	55.5	79.2	85.2
107.5°	2.0	21.8	51.5	71.3	79.2
110°	2.0	21.8	45.6	67.4	73.3
112.5°	2.0	21.8	43.6	61.4	69.3
115°	2.0	19.8	41.6	57.5	61.4
117.5°	2.0	19.8	39.6	51.5	55.5
120°	2.0	17.8	37.6	47.5	49.5
122.5°	2.0	17.8	35.7	43.6	45.6
125°	2.0	17.8	35.7	41.6	43.6
127.5°	2.0	15.8	33.7	39.6	39.6
130°	2.0	15.8	31.7	37.6	37.6
132.5°	2.0	13.9	29.7	35.7	37.6
135°	2.0	13.9	27.7	33.7	35.7
137.5°	2.0	11.9	25.8	31.7	33.7
140°	2.0	11.9	23.8	29.7	31.7
142.5°	2.0	9.9	21.8	27.7	29.7
145°	2.0	9.9	19.8	25.8	27.7
147.5°	2.0	9.9	17.8	23.8	25.8
150°	2.0	7.9	15.8	21.8	23.8
152.5°	2.0	7.9	13.9	19.8	21.8
155°	2.0	5.9	11.9	17.8	19.8
157.5°	2.0	5.9	11.9	15.8	17.8
160°	4.0	5.9	9.9	13.9	15.8
162.5°	2.0	4.0	9.9	11.9	13.9
165°	4.0	4.0	7.9	9.9	11.9
167.5°	4.0	4.0	5.9	7.9	9.9
170°	4.0	4.0	5.9	5.9	7.9
172.5°	4.0	4.0	4.0	5.9	4.0
175°	4.0	4.0	4.0	4.0	2.0
177.5°	4.0	4.0	4.0	4.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)