

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: P566381

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566381  
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-41SL-FDL-UNV-L950-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

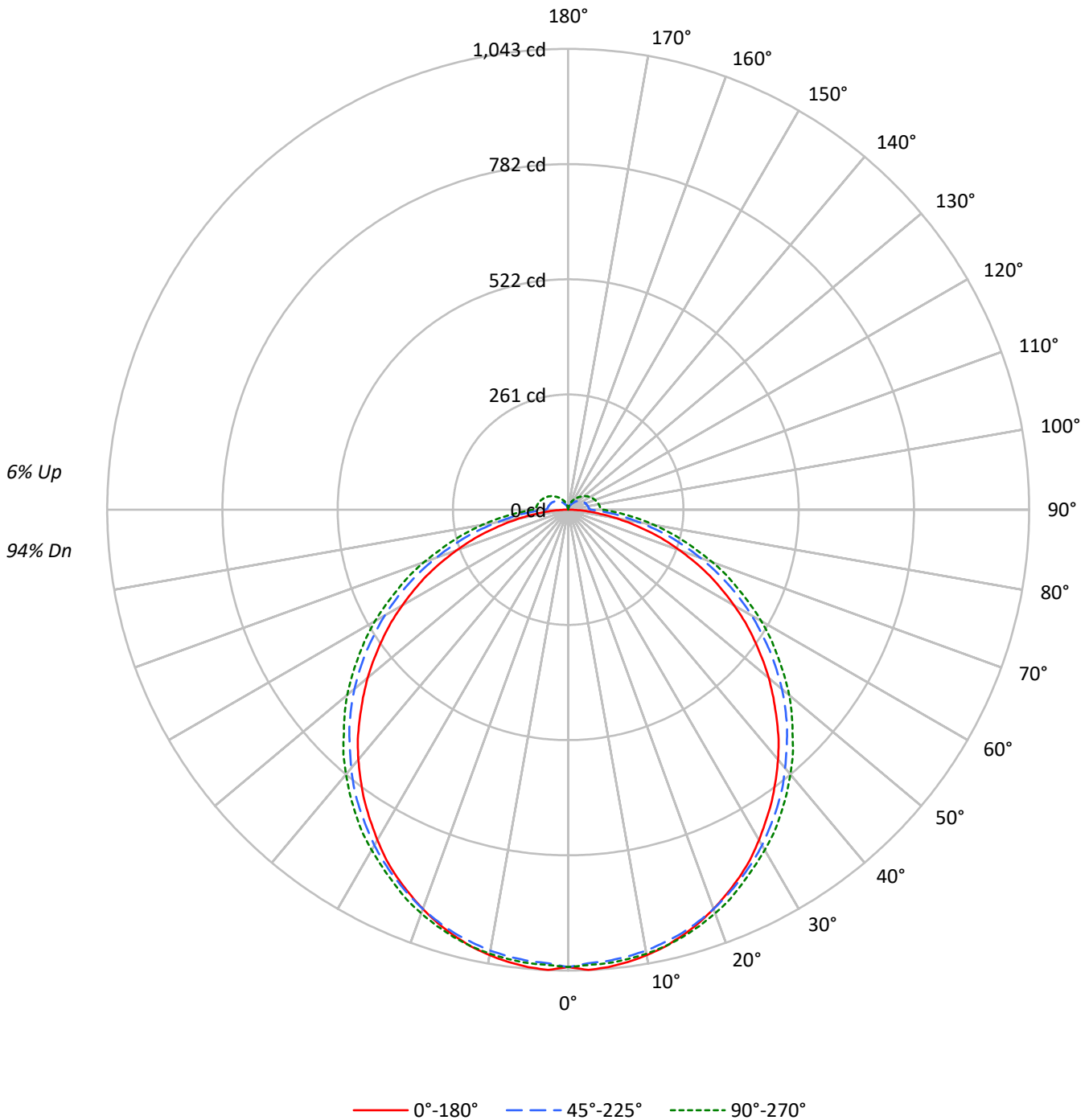
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3289.1 lumens  
Efficiency: N/A  
Efficacy: 125.1 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): 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

TEST NUMBER: P566381  
CATALOG NUMBER: 4SNX-41SL-FDL-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566381

CATALOG NUMBER: 4SNX-41SL-FDL-UNV-L950-CD

**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°	11141	11141	11141
5°	11217	10956	10972
10°	11171	10837	10835
15°	11087	10701	10680
20°	10973	10535	10498
25°	10842	10353	10283
30°	10665	10167	10084
35°	10486	9950	9876
40°	10287	9709	9642
45°	10038	9471	9370
50°	9797	9200	9121
55°	9499	8864	8775
60°	9163	8479	8436
65°	8807	8023	7967
70°	8197	7446	7480
75°	7462	6768	6900
80°	6374	5868	6255
85°	5010	5090	5497



TEST NUMBER: P566381

CATALOG NUMBER: 4SNX-41SL-FDL-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.2	3.0
10°-20°	281.7	8.6
20°-30°	426.8	13.0
30°-40°	515.3	15.7
40°-50°	538.1	16.4
50°-60°	494.3	15.0
60°-70°	390.9	11.9
70°-80°	247.4	7.5
80°-90°	106.3	3.2
90°-100°	46.8	1.4
100°-110°	41.9	1.3
110°-120°	35.4	1.1
120°-130°	27.6	0.8
130°-140°	19.1	0.6
140°-150°	11.5	0.3
150°-160°	5.6	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	806.7	24.5
0°-40°	1321.9	40.2
0°-60°	2354.3	71.6
0°-90°	3099.0	94.2
90°-120°	124.1	3.8
90°-150°	182.2	5.5
90°-180°	190.0	5.8
0°-180°	3289.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1039	1036	1025	1034	1030	99
15°	998	998	992	1003	1001	281
25°	917	921	923	935	933	422
35°	804	813	824	836	839	502
45°	666	683	700	714	718	515
55°	514	535	557	575	579	460
65°	354	373	400	418	425	348
75°	186	208	239	259	269	198
85°	45	70	100	122	129	50
90°	3	25	51	72	79	4
95°	1	22	47	65	72	0
105°	1	20	44	61	68	1
115°	1	17	40	55	61	1
125°	1	15	33	48	53	1
135°	1	12	27	38	42	1
145°	1	9	19	28	32	1
155°	1	6	12	18	22	1
165°	2	4	6	9	12	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566381

CATALOG NUMBER: 4SNX-41SL-FDL-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1035.0	1035.0	1035.0	1035.0	1035.0
2.5°	1042.6	1039.1	1027.4	1035.6	1031.5
5°	1039.1	1036.2	1025.1	1033.8	1030.3
7.5°	1032.7	1030.3	1020.4	1029.7	1026.2
10°	1023.9	1022.2	1013.4	1022.8	1020.4
12.5°	1012.9	1012.3	1003.5	1014.0	1012.3
15°	997.7	997.7	992.5	1003.0	1001.2
17.5°	981.4	982.0	977.9	989.0	987.8
20°	961.6	964.5	961.6	973.2	972.1
22.5°	940.0	944.1	943.0	954.6	955.2
25°	917.3	921.4	922.6	934.8	933.1
27.5°	892.3	898.7	901.0	912.1	911.5
30°	863.2	871.9	877.1	886.5	889.4
32.5°	833.5	843.9	850.4	863.2	866.7
35°	803.8	813.1	823.6	836.4	839.3
37.5°	771.1	781.6	795.6	807.8	811.3
40°	738.5	750.2	763.6	777.0	782.2
42.5°	704.7	717.0	731.5	747.3	752.5
45°	666.3	682.6	700.1	713.5	718.1
47.5°	629.6	647.7	666.3	680.9	686.1
50°	592.3	611.6	631.4	644.8	652.9
52.5°	553.3	574.3	594.1	611.0	616.2
55°	513.7	534.7	556.8	574.9	578.9
57.5°	475.3	495.7	517.8	534.7	542.8
60°	433.3	455.5	479.3	496.2	505.0
62.5°	392.6	414.1	439.7	457.8	464.8
65°	353.5	373.3	399.6	418.2	424.6
67.5°	310.4	333.2	358.2	379.7	387.9
70°	267.9	289.5	318.0	338.4	346.5
72.5°	228.3	249.3	277.8	298.2	305.8
75°	186.4	208.5	238.8	259.2	269.1
77.5°	146.2	170.7	199.8	221.9	233.0
80°	108.9	130.5	161.9	186.4	196.3
82.5°	74.0	97.3	129.9	152.6	163.7
85°	45.4	69.9	100.2	121.7	129.3
87.5°	21.6	44.8	72.8	93.8	103.1
90°	2.9	25.0	51.3	71.6	79.2
92.5°	0.6	21.6	47.2	66.4	73.4
95°	0.6	21.6	46.6	65.2	72.2
97.5°	0.6	21.0	46.0	64.7	71.1
100°	0.6	20.4	45.4	63.5	70.5
102.5°	0.6	20.4	44.3	62.3	68.7
105°	0.6	19.8	43.7	61.2	67.6
107.5°	0.6	19.2	42.5	60.0	66.4
110°	0.6	18.1	41.9	58.2	64.7



TEST NUMBER: P566381

CATALOG NUMBER: 4SNX-41SL-FDL-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.5	40.8	57.1	62.9
115°	0.6	16.9	39.6	55.3	61.2
117.5°	0.6	16.3	37.9	53.6	59.4
120°	1.2	16.3	36.7	51.8	57.1
122.5°	1.2	15.7	34.9	49.5	54.7
125°	1.2	15.1	33.2	47.8	53.0
127.5°	1.2	14.6	31.5	45.4	50.1
130°	1.2	13.4	30.3	43.1	47.8
132.5°	1.2	12.8	28.5	40.2	44.8
135°	1.2	11.6	26.8	37.9	42.5
137.5°	1.2	11.1	25.0	35.5	39.6
140°	1.2	10.5	22.7	33.2	37.3
142.5°	1.2	9.3	21.0	30.9	34.4
145°	1.2	8.7	18.6	28.5	31.5
147.5°	1.2	7.6	16.9	26.2	29.1
150°	1.2	7.0	15.1	23.9	26.8
152.5°	1.2	6.4	13.4	21.0	23.9
155°	1.2	5.8	12.2	18.1	21.6
157.5°	1.2	5.2	10.5	15.7	19.2
160°	1.7	4.7	9.3	13.4	16.3
162.5°	1.7	4.1	7.6	11.1	14.6
165°	1.7	4.1	6.4	8.7	12.2
167.5°	1.7	3.5	5.2	7.0	9.9
170°	1.7	2.9	4.7	5.2	7.6
172.5°	1.7	2.3	3.5	3.5	4.1
175°	1.7	2.3	2.9	2.9	1.7
177.5°	1.7	1.7	1.7	1.7	1.2
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)