

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: P566409

Luminaire Tested: **4SNX-41SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566409  
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-41SL-SLW-UNV-L850-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

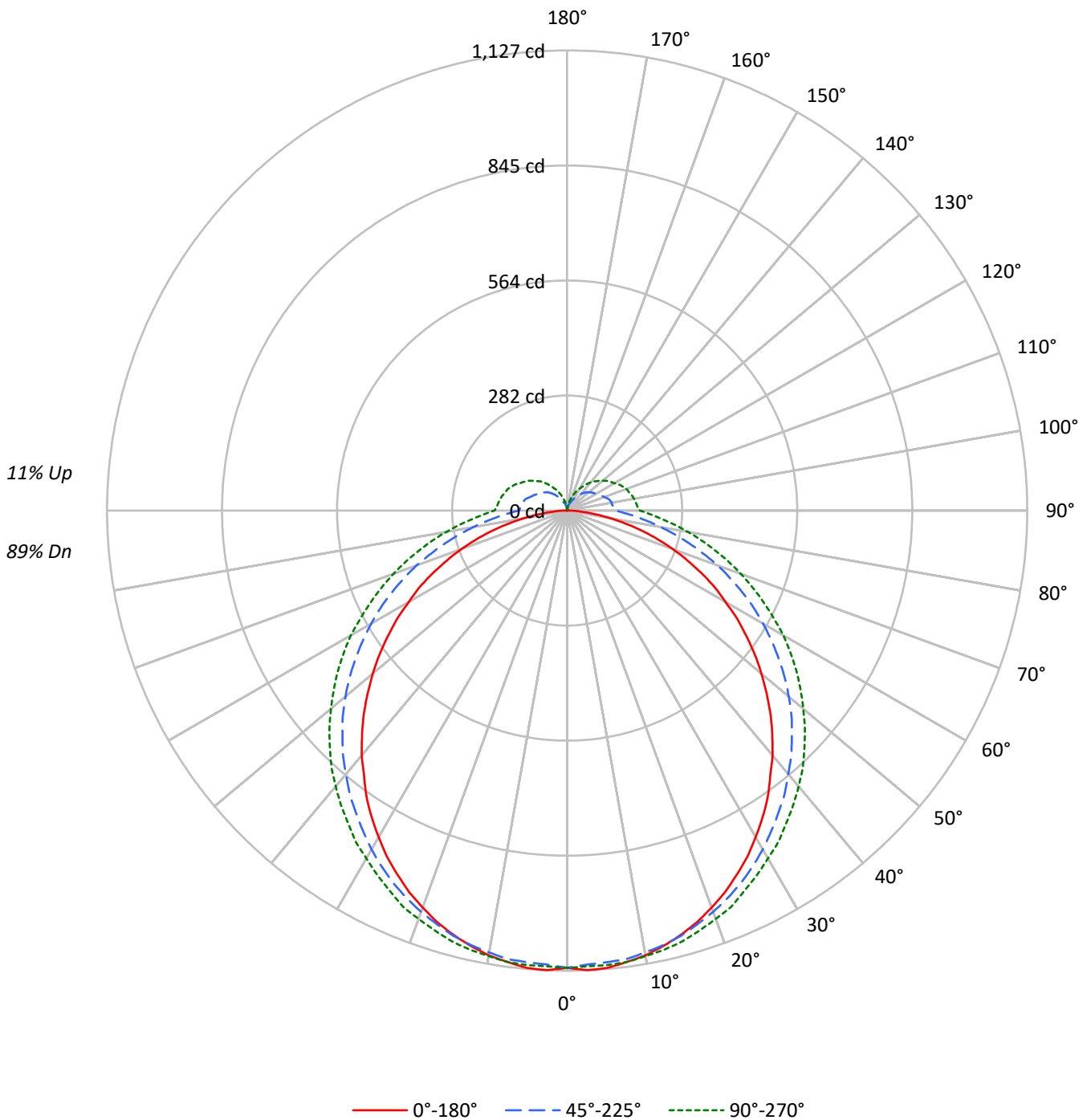
Lumens per Lamp: N/A  
Luminaire Lumens: 3986.0 lumens  
Efficiency: N/A  
Efficacy: 151.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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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CATALOG NUMBER: 4SNX-41SL-SLW-UNV-L850-CD

### 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°	12052	12052	12052
5°	12126	11742	11733
10°	12042	11505	11442
15°	11922	11261	11175
20°	11759	10982	10877
25°	11569	10709	10565
30°	11341	10409	10258
35°	11093	10098	9969
40°	10808	9790	9692
45°	10500	9479	9393
50°	10148	9148	9058
55°	9762	8753	8729
60°	9308	8330	8362
65°	8839	7854	7900
70°	8179	7330	7448
75°	7307	6664	6947
80°	5890	5987	6453
85°	4153	5404	5947



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	2.7
10°-20°	305.7	7.7
20°-30°	464.8	11.7
30°-40°	564.2	14.2
40°-50°	596.2	15.0
50°-60°	557.9	14.0
60°-70°	457.8	11.5
70°-80°	314.9	7.9
80°-90°	172.4	4.3
90°-100°	111.0	2.8
100°-110°	99.6	2.5
110°-120°	82.5	2.1
120°-130°	63.5	1.6
130°-140°	44.6	1.1
140°-150°	26.9	0.7
150°-160°	12.9	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	876.8	22.0
0°-40°	1441.1	36.2
0°-60°	2595.2	65.1
0°-90°	3540.3	88.8
90°-120°	293.1	7.4
90°-150°	428.1	10.7
90°-180°	446.0	11.2
0°-180°	3986.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1124	1122	1110	1120	1117	107
15°	1076	1080	1078	1092	1092	303
25°	984	995	1007	1027	1027	453
35°	856	877	903	928	935	535
45°	704	736	778	813	822	543
55°	536	580	633	672	686	479
65°	362	411	473	517	531	359
75°	189	240	309	358	374	199
85°	42	99	168	215	231	48
90°	0	55	118	162	178	3
95°	0	53	113	155	171	0
105°	0	44	106	145	159	2
115°	2	39	90	129	145	2
125°	2	32	76	111	125	2
135°	2	25	62	90	102	2
145°	2	18	44	69	76	1
155°	2	12	28	44	51	1
165°	2	7	14	21	25	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1119.7	1119.7	1119.7	1119.7	1119.7
2.5°	1126.6	1124.3	1112.8	1122.0	1117.4
5°	1124.3	1122.0	1110.4	1119.7	1117.4
7.5°	1115.1	1115.1	1108.1	1117.4	1115.1
10°	1105.8	1105.8	1098.9	1110.4	1108.1
12.5°	1092.0	1094.3	1089.7	1103.5	1101.2
15°	1075.8	1080.4	1078.1	1092.0	1092.0
17.5°	1057.3	1062.0	1062.0	1078.1	1078.1
20°	1034.3	1041.2	1045.8	1064.3	1064.3
22.5°	1011.2	1020.4	1027.3	1043.5	1050.4
25°	983.5	995.0	1006.6	1027.3	1027.3
27.5°	955.8	969.6	983.5	1004.2	1006.6
30°	923.4	939.6	958.1	978.9	983.5
32.5°	891.1	911.9	930.4	955.8	962.7
35°	856.5	877.3	902.7	928.1	935.0
37.5°	817.2	842.6	875.0	902.7	909.6
40°	782.6	810.3	842.6	875.0	881.9
42.5°	743.4	773.4	812.6	842.6	854.2
45°	704.1	736.4	778.0	812.6	821.9
47.5°	662.6	699.5	745.7	778.0	789.5
50°	621.0	660.3	708.7	745.7	754.9
52.5°	579.5	621.0	671.8	708.7	720.3
55°	535.6	579.5	632.6	671.8	685.7
57.5°	494.0	537.9	593.3	634.9	648.7
60°	447.9	498.7	554.1	595.6	611.8
62.5°	408.6	454.8	514.8	556.4	570.2
65°	362.5	410.9	473.3	517.1	531.0
67.5°	318.6	369.4	431.7	477.9	491.7
70°	274.7	325.5	392.5	436.3	452.5
72.5°	230.9	284.0	348.6	397.1	413.2
75°	189.3	240.1	309.4	357.8	374.0
77.5°	145.4	200.8	270.1	318.6	337.1
80°	106.2	163.9	233.2	281.7	300.1
82.5°	71.6	129.3	198.5	247.0	265.5
85°	41.6	99.3	168.5	214.7	230.9
87.5°	20.8	76.2	140.8	187.0	203.2
90°	0.0	55.4	117.7	161.6	177.8
92.5°	0.0	53.1	115.4	157.0	173.1
95°	0.0	53.1	113.1	154.7	170.8
97.5°	0.0	50.8	110.8	154.7	168.5
100°	0.0	48.5	110.8	152.4	166.2
102.5°	0.0	46.2	108.5	150.1	163.9
105°	0.0	43.9	106.2	145.4	159.3
107.5°	2.3	43.9	101.6	143.1	157.0
110°	2.3	41.6	97.0	140.8	154.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.2	92.3	136.2	150.1
115°	2.3	39.2	90.0	129.3	145.4
117.5°	2.3	36.9	85.4	124.7	140.8
120°	2.3	36.9	83.1	120.0	133.9
122.5°	2.3	34.6	78.5	115.4	129.3
125°	2.3	32.3	76.2	110.8	124.7
127.5°	2.3	30.0	73.9	106.2	120.0
130°	2.3	27.7	69.3	101.6	113.1
132.5°	2.3	27.7	66.9	94.7	108.5
135°	2.3	25.4	62.3	90.0	101.6
137.5°	2.3	23.1	57.7	85.4	97.0
140°	2.3	20.8	53.1	80.8	90.0
142.5°	2.3	20.8	48.5	73.9	83.1
145°	2.3	18.5	43.9	69.3	76.2
147.5°	2.3	16.2	39.2	62.3	69.3
150°	2.3	16.2	34.6	55.4	62.3
152.5°	2.3	13.9	30.0	50.8	57.7
155°	2.3	11.5	27.7	43.9	50.8
157.5°	2.3	11.5	23.1	36.9	43.9
160°	2.3	9.2	20.8	30.0	36.9
162.5°	2.3	9.2	18.5	25.4	32.3
165°	2.3	6.9	13.9	20.8	25.4
167.5°	2.3	6.9	11.5	16.2	20.8
170°	2.3	4.6	9.2	11.5	16.2
172.5°	2.3	4.6	6.9	6.9	6.9
175°	2.3	2.3	4.6	4.6	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)