

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: P565822

Luminaire Tested: **2SNX-47HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-47HL-SLW-UNV-L930-CD  
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

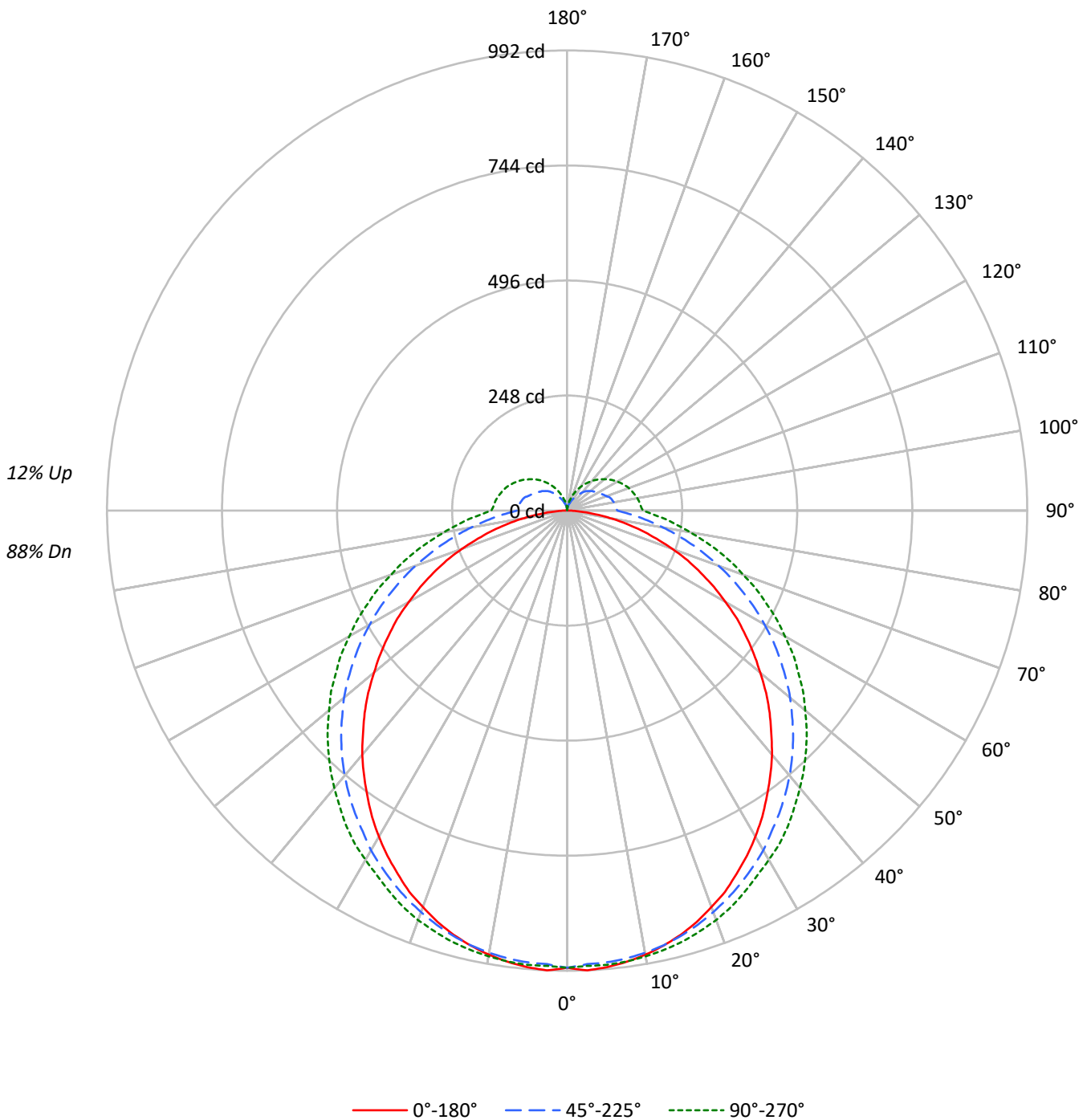
Lumens per Lamp: N/A  
Luminaire Lumens: 3548.0 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 33.7  
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

TEST NUMBER: P565822

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565822

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L930-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

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

	0°	45°	90°
0°	21216	21216	21216
5°	21271	20649	20645
10°	21096	20217	20151
15°	20865	19753	19685
20°	20526	19251	19199
25°	20133	18748	18646
30°	19705	18243	18135
35°	19179	17679	17699
40°	18662	17164	17159
45°	18045	16594	16651
50°	17335	15987	16068
55°	16643	15284	15485
60°	15838	14520	14816
65°	14865	13652	14101
70°	13628	12675	13279
75°	11905	11553	12526
80°	9514	10433	11577
85°	6115	9410	10957



TEST NUMBER: P565822

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.6	2.6
10°-20°	269.1	7.6
20°-30°	409.4	11.5
30°-40°	497.8	14.0
40°-50°	526.7	14.8
50°-60°	493.7	13.9
60°-70°	406.1	11.4
70°-80°	281.0	7.9
80°-90°	156.3	4.4
90°-100°	102.9	2.9
100°-110°	92.3	2.6
110°-120°	76.4	2.2
120°-130°	59.1	1.7
130°-140°	41.8	1.2
140°-150°	25.2	0.7
150°-160°	12.1	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	772.1	21.8
0°-40°	1269.9	35.8
0°-60°	2290.2	64.6
0°-90°	3133.6	88.3
90°-120°	271.7	7.7
90°-150°	397.8	11.2
90°-180°	414.0	11.7
0°-180°	3548.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	988	986	978	986	983	94
15°	947	950	949	962	962	267
25°	864	876	886	906	906	398
35°	751	771	797	823	830	470
45°	617	650	689	720	728	476
55°	470	512	561	596	608	420
65°	318	363	420	461	474	315
75°	165	213	276	320	337	175
85°	36	90	153	196	213	42
90°	1	51	108	149	163	2
95°	1	49	105	144	158	0
105°	1	42	98	136	148	1
115°	1	36	83	120	134	1
125°	1	31	71	103	115	1
135°	1	24	60	84	95	1
145°	1	18	41	64	72	1
155°	2	12	26	41	47	1
165°	2	8	14	19	24	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565822

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	985.5	985.5	985.5	985.5	985.5
2.5°	992.2	989.1	978.8	985.5	982.5
5°	987.9	986.1	977.6	985.5	983.1
7.5°	981.2	980.6	974.0	983.1	980.6
10°	972.1	973.3	967.9	977.6	975.8
12.5°	960.6	962.4	960.0	970.9	969.7
15°	946.6	949.6	949.0	961.8	961.8
17.5°	929.6	933.9	936.3	950.9	950.9
20°	909.5	916.2	921.1	936.9	939.3
22.5°	889.5	897.4	904.7	921.1	924.7
25°	864.0	876.1	886.5	905.9	906.5
27.5°	839.1	852.4	866.4	885.2	887.1
30°	811.7	828.7	845.8	864.0	869.4
32.5°	782.6	801.4	820.2	844.5	851.8
35°	751.0	771.0	797.1	822.7	830.0
37.5°	719.4	741.9	772.2	798.4	805.0
40°	687.2	712.1	746.1	772.8	780.7
42.5°	651.3	681.7	718.2	746.7	755.8
45°	617.3	649.5	689.0	720.0	728.5
47.5°	581.5	615.5	658.0	690.8	700.5
50°	543.2	582.1	627.6	660.4	669.6
52.5°	507.3	546.8	594.8	628.8	641.6
55°	469.7	511.6	560.8	596.0	608.2
57.5°	434.4	474.5	527.4	562.6	577.8
60°	394.3	438.7	491.5	529.8	542.0
62.5°	356.7	401.6	456.3	495.8	509.8
65°	317.8	363.3	419.8	461.2	473.9
67.5°	281.3	326.3	384.0	424.7	441.1
70°	241.2	288.6	347.5	389.5	403.4
72.5°	201.7	250.9	311.1	356.0	371.8
75°	165.3	213.3	275.8	319.6	337.2
77.5°	130.0	178.6	241.8	286.8	302.0
80°	94.8	145.8	210.2	254.6	269.2
82.5°	62.6	116.0	179.8	224.2	240.0
85°	36.5	90.5	153.1	195.6	212.7
87.5°	15.8	68.7	128.2	170.1	184.1
90°	0.6	51.0	108.1	148.9	163.4
92.5°	0.6	49.8	105.7	145.8	159.8
95°	0.6	48.6	105.1	144.0	158.0
97.5°	0.6	48.0	103.9	142.8	156.1
100°	0.6	46.2	102.1	140.4	153.7
102.5°	0.6	43.7	100.3	137.9	150.7
105°	0.6	41.9	98.4	135.5	147.6
107.5°	0.6	40.1	95.4	132.5	144.6
110°	0.6	38.3	90.5	129.4	141.6



TEST NUMBER: P565822

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	37.7	86.9	125.2	137.9
115°	1.2	36.5	83.2	120.3	133.7
117.5°	1.2	35.8	80.2	115.4	129.4
120°	1.2	34.0	77.2	111.2	124.6
122.5°	1.2	32.2	74.1	106.9	120.3
125°	1.2	31.0	71.1	102.7	115.4
127.5°	1.2	29.2	68.7	98.4	110.0
130°	1.2	27.9	65.6	93.6	105.1
132.5°	1.2	26.1	62.6	88.7	99.6
135°	1.2	24.3	59.5	84.5	94.8
137.5°	1.2	21.9	55.9	79.6	89.3
140°	1.2	20.1	51.0	74.7	83.8
142.5°	1.2	18.8	46.2	69.3	77.8
145°	1.2	17.6	41.3	63.8	71.7
147.5°	1.2	16.4	37.1	58.3	65.6
150°	1.2	14.6	32.8	53.5	59.5
152.5°	1.8	13.4	29.2	47.4	53.5
155°	1.8	12.2	25.5	40.7	47.4
157.5°	1.8	10.9	21.9	34.0	41.3
160°	1.8	9.7	18.8	27.9	35.2
162.5°	1.8	9.1	16.4	23.1	29.8
165°	1.8	7.9	14.0	18.8	24.3
167.5°	1.8	6.1	11.5	14.6	20.1
170°	1.8	4.9	9.1	10.3	15.2
172.5°	1.8	3.6	6.7	7.3	7.9
175°	1.8	3.0	4.3	4.3	2.4
177.5°	1.8	2.4	2.4	2.4	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)