

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: P565526

Luminaire Tested: **2SNX-19SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565526  
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: 2SNX-19SL-LW-UNV-L930-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

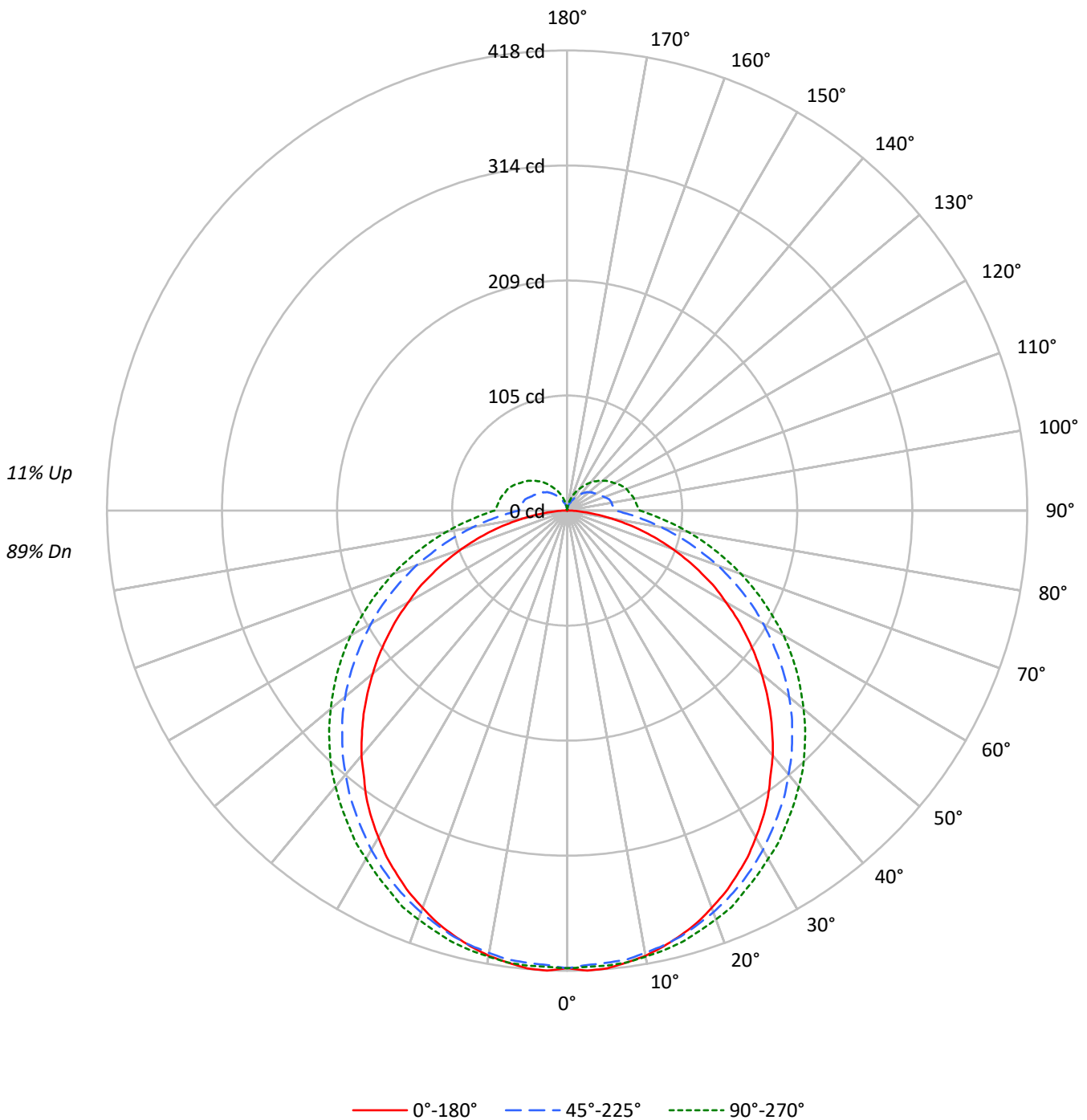
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1480.0 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 12  
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: P565526  
CATALOG NUMBER: 2SNX-19SL-LW-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565526

CATALOG NUMBER: 2SNX-19SL-LW-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	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°	8949	8949	8949
5°	8955	8515	8472
10°	8846	8156	8047
15°	8707	7812	7666
20°	8538	7456	7286
25°	8350	7117	6911
30°	8133	6769	6555
35°	7896	6424	6221
40°	7633	6085	5900
45°	7346	5747	5575
50°	7025	5401	5231
55°	6671	5017	4895
60°	6257	4616	4540
65°	5817	4187	4134
70°	5224	3732	3734
75°	4460	3208	3312
80°	3317	2679	2889
85°	1948	2190	2456



TEST NUMBER: P565526

CATALOG NUMBER: 2SNX-19SL-LW-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	2.7
10°-20°	113.5	7.7
20°-30°	172.6	11.7
30°-40°	209.5	14.2
40°-50°	221.4	15.0
50°-60°	207.2	14.0
60°-70°	170.0	11.5
70°-80°	116.9	7.9
80°-90°	64.0	4.3
90°-100°	41.2	2.8
100°-110°	37.0	2.5
110°-120°	30.6	2.1
120°-130°	23.6	1.6
130°-140°	16.6	1.1
140°-150°	10.0	0.7
150°-160°	4.8	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	325.6	22.0
0°-40°	535.1	36.2
0°-60°	963.6	65.1
0°-90°	1314.5	88.8
90°-120°	108.8	7.4
90°-150°	159.0	10.7
90°-180°	166.0	11.2
0°-180°	1480.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	417	417	412	416	415	40
15°	399	401	400	405	405	113
25°	365	369	374	381	381	168
35°	318	326	335	345	347	199
45°	261	273	289	302	305	201
55°	199	215	235	249	255	178
65°	135	153	176	192	197	133
75°	70	89	115	133	139	74
85°	15	37	63	80	86	18
90°	0	21	44	60	66	1
95°	0	20	42	57	63	0
105°	0	16	39	54	59	1
115°	1	15	33	48	54	1
125°	1	12	28	41	46	1
135°	1	9	23	33	38	1
145°	1	7	16	26	28	1
155°	1	4	10	16	19	0
165°	1	3	5	8	9	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565526

CATALOG NUMBER: 2SNX-19SL-LW-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	415.7	415.7	415.7	415.7	415.7
2.5°	418.3	417.4	413.2	416.6	414.9
5°	417.4	416.6	412.3	415.7	414.9
7.5°	414.0	414.0	411.4	414.9	414.0
10°	410.6	410.6	408.0	412.3	411.4
12.5°	405.4	406.3	404.6	409.7	408.9
15°	399.4	401.2	400.3	405.4	405.4
17.5°	392.6	394.3	394.3	400.3	400.3
20°	384.0	386.6	388.3	395.2	395.2
22.5°	375.4	378.9	381.4	387.4	390.0
25°	365.2	369.4	373.7	381.4	381.4
27.5°	354.9	360.0	365.2	372.9	373.7
30°	342.9	348.9	355.7	363.4	365.2
32.5°	330.9	338.6	345.4	354.9	357.4
35°	318.0	325.7	335.2	344.6	347.2
37.5°	303.4	312.9	324.9	335.2	337.7
40°	290.6	300.9	312.9	324.9	327.4
42.5°	276.0	287.2	301.7	312.9	317.2
45°	261.4	273.4	288.9	301.7	305.2
47.5°	246.0	259.7	276.9	288.9	293.2
50°	230.6	245.2	263.2	276.9	280.3
52.5°	215.2	230.6	249.4	263.2	267.4
55°	198.9	215.2	234.9	249.4	254.6
57.5°	183.4	199.7	220.3	235.7	240.9
60°	166.3	185.2	205.7	221.2	227.2
62.5°	151.7	168.9	191.2	206.6	211.7
65°	134.6	152.6	175.7	192.0	197.2
67.5°	118.3	137.1	160.3	177.4	182.6
70°	102.0	120.9	145.7	162.0	168.0
72.5°	85.7	105.4	129.4	147.4	153.4
75°	70.3	89.1	114.9	132.9	138.9
77.5°	54.0	74.6	100.3	118.3	125.1
80°	39.4	60.9	86.6	104.6	111.4
82.5°	26.6	48.0	73.7	91.7	98.6
85°	15.4	36.9	62.6	79.7	85.7
87.5°	7.7	28.3	52.3	69.4	75.4
90°	0.0	20.6	43.7	60.0	66.0
92.5°	0.0	19.7	42.9	58.3	64.3
95°	0.0	19.7	42.0	57.4	63.4
97.5°	0.0	18.9	41.1	57.4	62.6
100°	0.0	18.0	41.1	56.6	61.7
102.5°	0.0	17.1	40.3	55.7	60.9
105°	0.0	16.3	39.4	54.0	59.1
107.5°	0.9	16.3	37.7	53.1	58.3
110°	0.9	15.4	36.0	52.3	57.4



TEST NUMBER: P565526

CATALOG NUMBER: 2SNX-19SL-LW-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	14.6	34.3	50.6	55.7
115°	0.9	14.6	33.4	48.0	54.0
117.5°	0.9	13.7	31.7	46.3	52.3
120°	0.9	13.7	30.9	44.6	49.7
122.5°	0.9	12.9	29.1	42.9	48.0
125°	0.9	12.0	28.3	41.1	46.3
127.5°	0.9	11.1	27.4	39.4	44.6
130°	0.9	10.3	25.7	37.7	42.0
132.5°	0.9	10.3	24.9	35.1	40.3
135°	0.9	9.4	23.1	33.4	37.7
137.5°	0.9	8.6	21.4	31.7	36.0
140°	0.9	7.7	19.7	30.0	33.4
142.5°	0.9	7.7	18.0	27.4	30.9
145°	0.9	6.9	16.3	25.7	28.3
147.5°	0.9	6.0	14.6	23.1	25.7
150°	0.9	6.0	12.9	20.6	23.1
152.5°	0.9	5.1	11.1	18.9	21.4
155°	0.9	4.3	10.3	16.3	18.9
157.5°	0.9	4.3	8.6	13.7	16.3
160°	0.9	3.4	7.7	11.1	13.7
162.5°	0.9	3.4	6.9	9.4	12.0
165°	0.9	2.6	5.1	7.7	9.4
167.5°	0.9	2.6	4.3	6.0	7.7
170°	0.9	1.7	3.4	4.3	6.0
172.5°	0.9	1.7	2.6	2.6	2.6
175°	0.9	0.9	1.7	1.7	0.9
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)