

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: P565529

Luminaire Tested: **2SNX-19SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565529  
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-L950-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

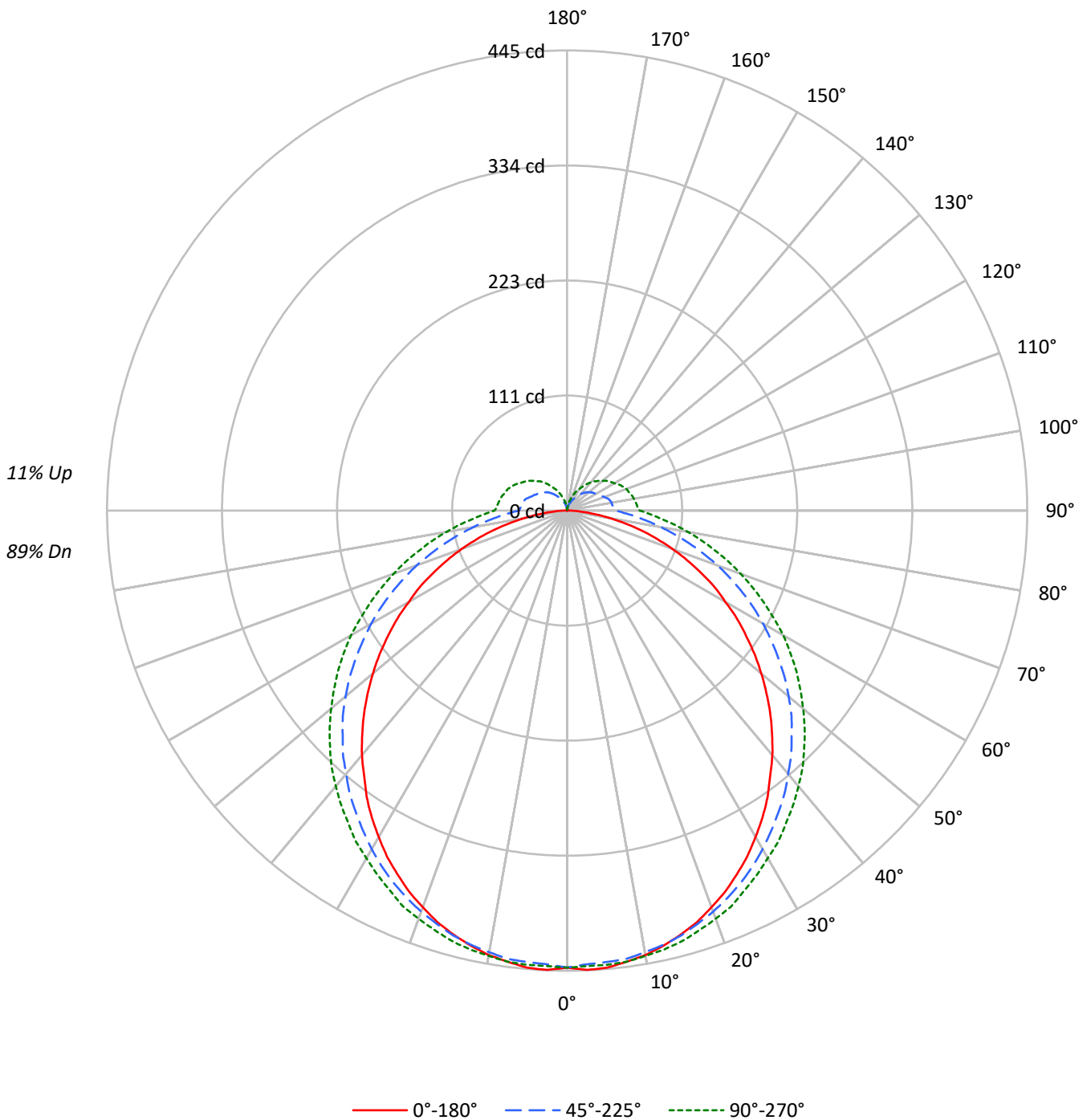
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1573.0 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

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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	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°	9513	9513	9513
5°	9519	9050	9003
10°	9402	8670	8554
15°	9254	8303	8148
20°	9076	7925	7743
25°	8874	7564	7346
30°	8643	7196	6966
35°	8393	6826	6611
40°	8111	6466	6271
45°	7810	6108	5924
50°	7467	5740	5560
55°	7091	5331	5203
60°	6648	4908	4824
65°	6180	4452	4392
70°	5552	3968	3970
75°	4739	3409	3520
80°	3527	2846	3070
85°	2075	2326	2610



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.0	2.7
10°-20°	120.6	7.7
20°-30°	183.4	11.7
30°-40°	222.7	14.2
40°-50°	235.3	15.0
50°-60°	220.2	14.0
60°-70°	180.7	11.5
70°-80°	124.3	7.9
80°-90°	68.1	4.3
90°-100°	43.8	2.8
100°-110°	39.3	2.5
110°-120°	32.5	2.1
120°-130°	25.1	1.6
130°-140°	17.6	1.1
140°-150°	10.6	0.7
150°-160°	5.1	0.3
160°-170°	1.7	0.1
170°-180°	0.2	0.0
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0°-30°	346.0	22.0
0°-40°	568.7	36.2
0°-60°	1024.1	65.1
0°-90°	1397.1	88.8
90°-120°	115.7	7.4
90°-150°	169.0	10.7
90°-180°	176.0	11.2
0°-180°	1573.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	444	443	438	442	441	42
15°	424	426	426	431	431	120
25°	388	393	397	405	405	179
35°	338	346	356	366	369	211
45°	278	291	307	321	324	214
55°	211	229	250	265	271	189
65°	143	162	187	204	210	142
75°	75	95	122	141	148	79
85°	16	39	66	85	91	19
90°	0	22	46	64	70	1
95°	0	21	45	61	67	0
105°	0	17	42	57	63	1
115°	1	16	36	51	57	1
125°	1	13	30	44	49	1
135°	1	10	25	36	40	1
145°	1	7	17	27	30	1
155°	1	5	11	17	20	0
165°	1	3	6	8	10	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	441.9	441.9	441.9	441.9	441.9
2.5°	444.6	443.7	439.1	442.8	440.9
5°	443.7	442.8	438.2	441.9	440.9
7.5°	440.0	440.0	437.3	440.9	440.0
10°	436.4	436.4	433.7	438.2	437.3
12.5°	430.9	431.8	430.0	435.5	434.6
15°	424.5	426.4	425.5	430.9	430.9
17.5°	417.3	419.1	419.1	425.5	425.5
20°	408.2	410.9	412.7	420.0	420.0
22.5°	399.0	402.7	405.4	411.8	414.5
25°	388.1	392.7	397.2	405.4	405.4
27.5°	377.2	382.6	388.1	396.3	397.2
30°	364.4	370.8	378.1	386.3	388.1
32.5°	351.7	359.9	367.2	377.2	379.9
35°	338.0	346.2	356.2	366.2	369.0
37.5°	322.5	332.5	345.3	356.2	359.0
40°	308.8	319.8	332.5	345.3	348.0
42.5°	293.4	305.2	320.7	332.5	337.1
45°	277.9	290.6	307.0	320.7	324.3
47.5°	261.5	276.0	294.3	307.0	311.6
50°	245.1	260.6	279.7	294.3	297.9
52.5°	228.7	245.1	265.1	279.7	284.2
55°	211.4	228.7	249.6	265.1	270.6
57.5°	195.0	212.3	234.1	250.5	256.0
60°	176.7	196.8	218.7	235.1	241.4
62.5°	161.3	179.5	203.2	219.6	225.0
65°	143.0	162.2	186.8	204.1	209.5
67.5°	125.7	145.8	170.4	188.6	194.1
70°	108.4	128.5	154.9	172.2	178.6
72.5°	91.1	112.1	137.6	156.7	163.1
75°	74.7	94.7	122.1	141.2	147.6
77.5°	57.4	79.3	106.6	125.7	133.0
80°	41.9	64.7	92.0	111.1	118.4
82.5°	28.2	51.0	78.4	97.5	104.8
85°	16.4	39.2	66.5	84.7	91.1
87.5°	8.2	30.1	55.6	73.8	80.2
90°	0.0	21.9	46.5	63.8	70.2
92.5°	0.0	21.0	45.6	62.0	68.3
95°	0.0	21.0	44.6	61.0	67.4
97.5°	0.0	20.0	43.7	61.0	66.5
100°	0.0	19.1	43.7	60.1	65.6
102.5°	0.0	18.2	42.8	59.2	64.7
105°	0.0	17.3	41.9	57.4	62.9
107.5°	0.9	17.3	40.1	56.5	62.0
110°	0.9	16.4	38.3	55.6	61.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.5	36.4	53.8	59.2
115°	0.9	15.5	35.5	51.0	57.4
117.5°	0.9	14.6	33.7	49.2	55.6
120°	0.9	14.6	32.8	47.4	52.8
122.5°	0.9	13.7	31.0	45.6	51.0
125°	0.9	12.8	30.1	43.7	49.2
127.5°	0.9	11.8	29.2	41.9	47.4
130°	0.9	10.9	27.3	40.1	44.6
132.5°	0.9	10.9	26.4	37.4	42.8
135°	0.9	10.0	24.6	35.5	40.1
137.5°	0.9	9.1	22.8	33.7	38.3
140°	0.9	8.2	21.0	31.9	35.5
142.5°	0.9	8.2	19.1	29.2	32.8
145°	0.9	7.3	17.3	27.3	30.1
147.5°	0.9	6.4	15.5	24.6	27.3
150°	0.9	6.4	13.7	21.9	24.6
152.5°	0.9	5.5	11.8	20.0	22.8
155°	0.9	4.6	10.9	17.3	20.0
157.5°	0.9	4.6	9.1	14.6	17.3
160°	0.9	3.6	8.2	11.8	14.6
162.5°	0.9	3.6	7.3	10.0	12.8
165°	0.9	2.7	5.5	8.2	10.0
167.5°	0.9	2.7	4.6	6.4	8.2
170°	0.9	1.8	3.6	4.6	6.4
172.5°	0.9	1.8	2.7	2.7	2.7
175°	0.9	0.9	1.8	1.8	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)