

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: P565504

Luminaire Tested: **2SNX-19SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565504  
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: 2SNX-19SL-FDL-UNV-L940-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

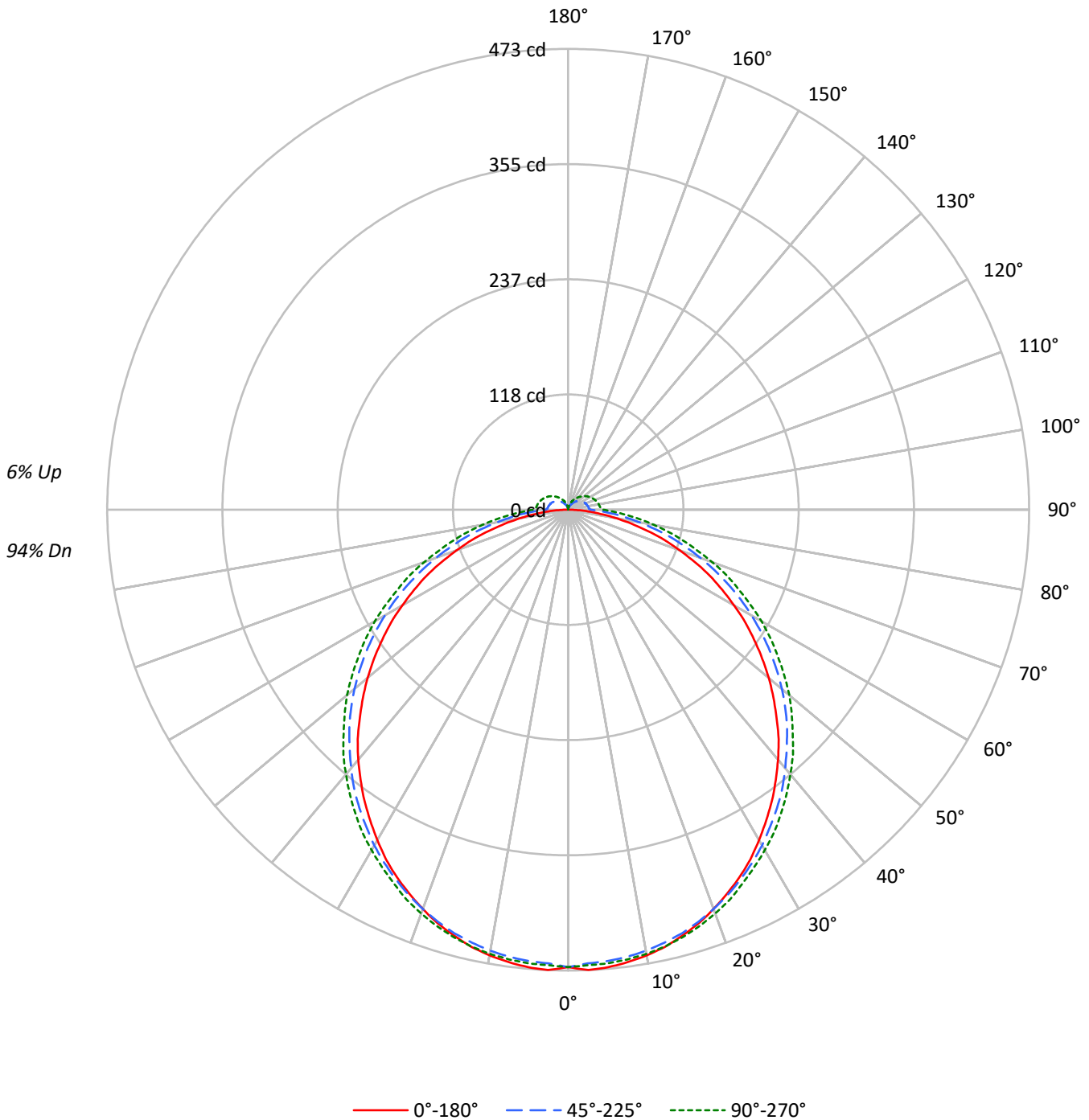
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1492.0 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 12  
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: 2SNX-19SL-FDL-UNV-L940-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	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°	10107	10107	10107
5°	10168	9933	9955
10°	10117	9819	9830
15°	10031	9689	9690
20°	9918	9533	9525
25°	9789	9362	9330
30°	9619	9188	9150
35°	9444	8984	8959
40°	9253	8760	8747
45°	9016	8537	8502
50°	8781	8283	8276
55°	8492	7971	7961
60°	8170	7612	7654
65°	7821	7187	7228
70°	7234	6658	6787
75°	6521	6026	6261
80°	5477	5201	5672
85°	4110	4458	4991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.5	3.0
10°-20°	127.8	8.6
20°-30°	193.6	13.0
30°-40°	233.7	15.7
40°-50°	244.1	16.4
50°-60°	224.2	15.0
60°-70°	177.3	11.9
70°-80°	112.2	7.5
80°-90°	48.2	3.2
90°-100°	21.2	1.4
100°-110°	19.0	1.3
110°-120°	16.1	1.1
120°-130°	12.5	0.8
130°-140°	8.7	0.6
140°-150°	5.2	0.3
150°-160°	2.5	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	365.9	24.5
0°-40°	599.7	40.2
0°-60°	1068.0	71.6
0°-90°	1405.8	94.2
90°-120°	56.3	3.8
90°-150°	82.7	5.5
90°-180°	86.0	5.8
0°-180°	1492.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	471	470	465	469	467	45
15°	453	453	450	455	454	128
25°	416	418	418	424	423	192
35°	365	369	374	379	381	228
45°	302	310	318	324	326	233
55°	233	242	253	261	263	208
65°	160	169	181	190	193	158
75°	84	95	108	118	122	90
85°	21	32	45	55	59	23
90°	1	11	23	32	36	2
95°	0	10	21	30	33	0
105°	0	9	20	28	31	0
115°	0	8	18	25	28	0
125°	0	7	15	22	24	0
135°	0	5	12	17	19	0
145°	0	4	8	13	14	0
155°	0	3	6	8	10	0
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	469.5	469.5	469.5	469.5	469.5
2.5°	472.9	471.4	466.1	469.8	467.9
5°	471.4	470.0	465.0	469.0	467.4
7.5°	468.4	467.4	462.9	467.1	465.5
10°	464.5	463.7	459.7	464.0	462.9
12.5°	459.5	459.2	455.2	460.0	459.2
15°	452.6	452.6	450.2	455.0	454.2
17.5°	445.2	445.5	443.6	448.6	448.1
20°	436.2	437.5	436.2	441.5	441.0
22.5°	426.4	428.3	427.8	433.0	433.3
25°	416.1	418.0	418.5	424.1	423.3
27.5°	404.8	407.7	408.7	413.8	413.5
30°	391.6	395.5	397.9	402.1	403.5
32.5°	378.1	382.8	385.7	391.6	393.1
35°	364.6	368.8	373.6	379.4	380.7
37.5°	349.8	354.6	360.9	366.5	368.0
40°	335.0	340.3	346.4	352.5	354.8
42.5°	319.7	325.2	331.8	339.0	341.4
45°	302.3	309.7	317.6	323.7	325.8
47.5°	285.6	293.8	302.3	308.9	311.2
50°	268.7	277.4	286.4	292.5	296.2
52.5°	251.0	260.5	269.5	277.2	279.5
55°	233.0	242.5	252.6	260.8	262.6
57.5°	215.6	224.8	234.9	242.5	246.2
60°	196.6	206.6	217.4	225.1	229.1
62.5°	178.1	187.9	199.5	207.7	210.8
65°	160.4	169.4	181.2	189.7	192.6
67.5°	140.8	151.1	162.5	172.3	176.0
70°	121.5	131.3	144.3	153.5	157.2
72.5°	103.6	113.1	126.0	135.3	138.7
75°	84.5	94.6	108.3	117.6	122.1
77.5°	66.3	77.4	90.6	100.7	105.7
80°	49.4	59.2	73.5	84.5	89.0
82.5°	33.6	44.1	58.9	69.2	74.2
85°	20.6	31.7	45.4	55.2	58.7
87.5°	9.8	20.3	33.0	42.5	46.8
90°	1.3	11.4	23.3	32.5	35.9
92.5°	0.3	9.8	21.4	30.1	33.3
95°	0.3	9.8	21.1	29.6	32.8
97.5°	0.3	9.5	20.9	29.3	32.2
100°	0.3	9.2	20.6	28.8	32.0
102.5°	0.3	9.2	20.1	28.3	31.2
105°	0.3	9.0	19.8	27.7	30.6
107.5°	0.3	8.7	19.3	27.2	30.1
110°	0.3	8.2	19.0	26.4	29.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	7.9	18.5	25.9	28.5
115°	0.3	7.7	18.0	25.1	27.7
117.5°	0.3	7.4	17.2	24.3	26.9
120°	0.5	7.4	16.6	23.5	25.9
122.5°	0.5	7.1	15.9	22.5	24.8
125°	0.5	6.9	15.1	21.7	24.0
127.5°	0.5	6.6	14.3	20.6	22.7
130°	0.5	6.1	13.7	19.6	21.7
132.5°	0.5	5.8	12.9	18.2	20.3
135°	0.5	5.3	12.2	17.2	19.3
137.5°	0.5	5.0	11.4	16.1	18.0
140°	0.5	4.8	10.3	15.1	16.9
142.5°	0.5	4.2	9.5	14.0	15.6
145°	0.5	4.0	8.5	12.9	14.3
147.5°	0.5	3.4	7.7	11.9	13.2
150°	0.5	3.2	6.9	10.8	12.2
152.5°	0.5	2.9	6.1	9.5	10.8
155°	0.5	2.6	5.5	8.2	9.8
157.5°	0.5	2.4	4.8	7.1	8.7
160°	0.8	2.1	4.2	6.1	7.4
162.5°	0.8	1.8	3.4	5.0	6.6
165°	0.8	1.8	2.9	4.0	5.5
167.5°	0.8	1.6	2.4	3.2	4.5
170°	0.8	1.3	2.1	2.4	3.4
172.5°	0.8	1.1	1.6	1.6	1.8
175°	0.8	1.1	1.3	1.3	0.8
177.5°	0.8	0.8	0.8	0.8	0.5
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)