

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: P565505

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565505  
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-L950-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

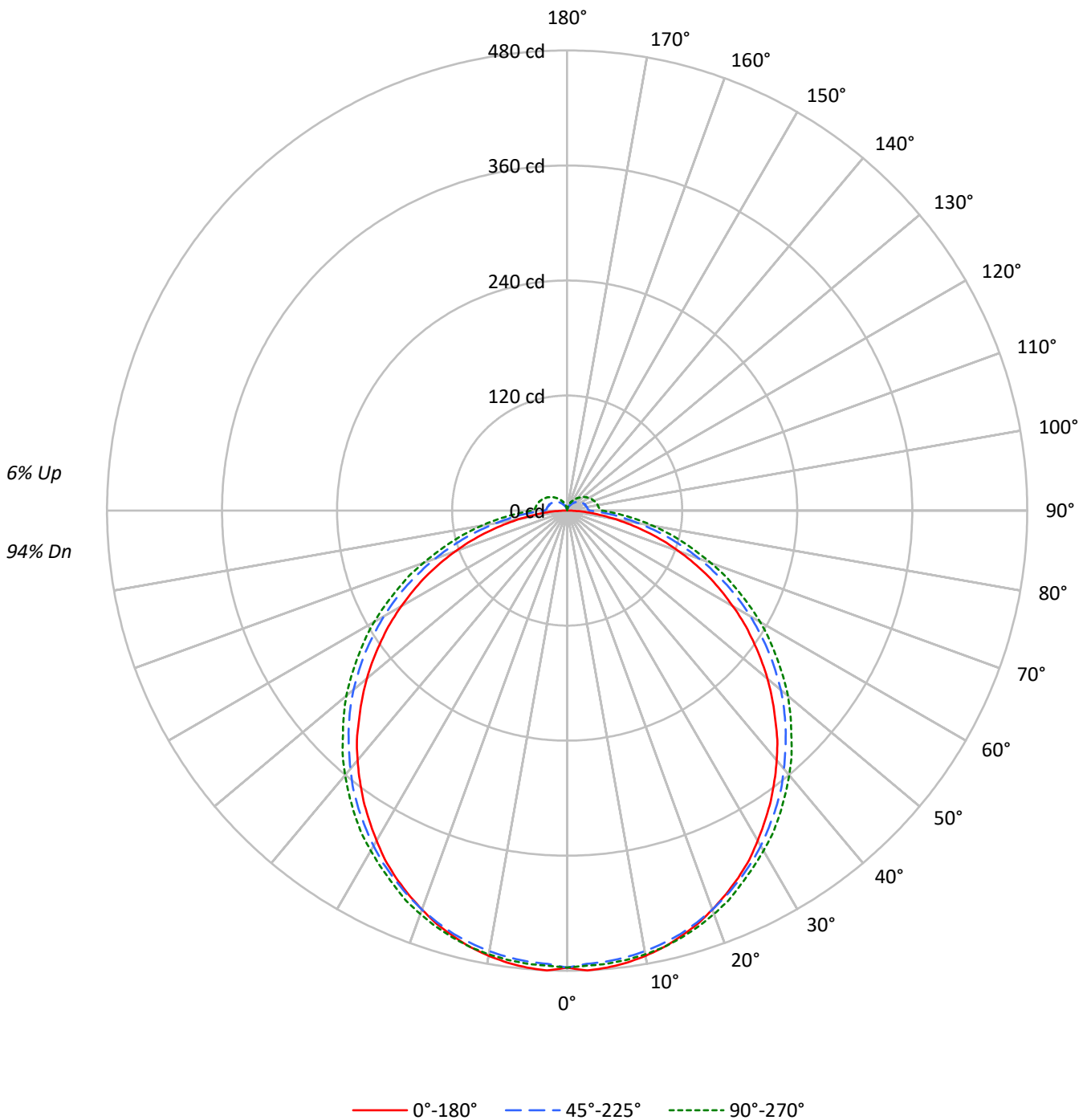
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1515.0 lumens  
Efficiency: N/A  
Efficacy: 126.2 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 (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	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°	10262	10262	10262
5°	10324	10087	10109
10°	10271	9971	9981
15°	10186	9840	9839
20°	10070	9679	9672
25°	9939	9507	9473
30°	9766	9329	9290
35°	9589	9124	9098
40°	9396	8894	8883
45°	9153	8669	8632
50°	8915	8410	8402
55°	8624	8094	8085
60°	8295	7731	7771
65°	7938	7298	7340
70°	7347	6759	6890
75°	6629	6121	6354
80°	5566	5279	5761
85°	4170	4527	5068



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	3.0
10°-20°	129.7	8.6
20°-30°	196.6	13.0
30°-40°	237.3	15.7
40°-50°	247.8	16.4
50°-60°	227.7	15.0
60°-70°	180.1	11.9
70°-80°	114.0	7.5
80°-90°	49.0	3.2
90°-100°	21.6	1.4
100°-110°	19.3	1.3
110°-120°	16.3	1.1
120°-130°	12.7	0.8
130°-140°	8.8	0.6
140°-150°	5.3	0.3
150°-160°	2.6	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	371.6	24.5
0°-40°	608.9	40.2
0°-60°	1084.5	71.6
0°-90°	1427.5	94.2
90°-120°	57.2	3.8
90°-150°	83.9	5.5
90°-180°	88.0	5.8
0°-180°	1515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	479	477	472	476	475	45
15°	460	460	457	462	461	130
25°	422	424	425	431	430	195
35°	370	374	379	385	387	231
45°	307	314	322	329	331	237
55°	237	246	256	265	267	212
65°	163	172	184	193	196	160
75°	86	96	110	119	124	91
85°	21	32	46	56	60	23
90°	1	12	24	33	36	2
95°	0	10	22	30	33	0
105°	0	9	20	28	31	0
115°	0	8	18	26	28	0
125°	0	7	15	22	24	0
135°	0	5	12	17	20	0
145°	0	4	9	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°	476.7	476.7	476.7	476.7	476.7
2.5°	480.2	478.6	473.3	477.0	475.1
5°	478.6	477.3	472.2	476.2	474.6
7.5°	475.7	474.6	470.0	474.3	472.7
10°	471.6	470.8	466.8	471.1	470.0
12.5°	466.5	466.3	462.3	467.1	466.3
15°	459.6	459.6	457.2	462.0	461.2
17.5°	452.1	452.3	450.5	455.5	455.0
20°	442.9	444.3	442.9	448.3	447.8
22.5°	433.0	434.9	434.4	439.7	440.0
25°	422.5	424.4	425.0	430.6	429.8
27.5°	411.0	414.0	415.0	420.1	419.9
30°	397.6	401.6	404.0	408.3	409.7
32.5°	383.9	388.7	391.7	397.6	399.2
35°	370.2	374.5	379.4	385.3	386.6
37.5°	355.2	360.0	366.5	372.1	373.7
40°	340.2	345.6	351.7	357.9	360.3
42.5°	324.6	330.3	337.0	344.2	346.6
45°	306.9	314.4	322.5	328.6	330.8
47.5°	290.0	298.3	306.9	313.6	316.0
50°	272.8	281.7	290.8	297.0	300.7
52.5°	254.9	264.5	273.7	281.4	283.8
55°	236.6	246.3	256.5	264.8	266.7
57.5°	218.9	228.3	238.5	246.3	250.0
60°	199.6	209.8	220.8	228.6	232.6
62.5°	180.8	190.8	202.6	210.9	214.1
65°	162.8	172.0	184.0	192.6	195.6
67.5°	143.0	153.5	165.0	174.9	178.7
70°	123.4	133.3	146.5	155.9	159.6
72.5°	105.2	114.8	128.0	137.4	140.8
75°	85.9	96.0	110.0	119.4	123.9
77.5°	67.3	78.6	92.0	102.2	107.3
80°	50.2	60.1	74.6	85.9	90.4
82.5°	34.1	44.8	59.8	70.3	75.4
85°	20.9	32.2	46.1	56.1	59.6
87.5°	9.9	20.7	33.5	43.2	47.5
90°	1.3	11.5	23.6	33.0	36.5
92.5°	0.3	9.9	21.7	30.6	33.8
95°	0.3	9.9	21.5	30.0	33.3
97.5°	0.3	9.7	21.2	29.8	32.7
100°	0.3	9.4	20.9	29.2	32.5
102.5°	0.3	9.4	20.4	28.7	31.7
105°	0.3	9.1	20.1	28.2	31.1
107.5°	0.3	8.9	19.6	27.6	30.6
110°	0.3	8.3	19.3	26.8	29.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.0	18.8	26.3	29.0
115°	0.3	7.8	18.2	25.5	28.2
117.5°	0.3	7.5	17.4	24.7	27.4
120°	0.5	7.5	16.9	23.9	26.3
122.5°	0.5	7.2	16.1	22.8	25.2
125°	0.5	7.0	15.3	22.0	24.4
127.5°	0.5	6.7	14.5	20.9	23.1
130°	0.5	6.2	14.0	19.9	22.0
132.5°	0.5	5.9	13.1	18.5	20.7
135°	0.5	5.4	12.3	17.4	19.6
137.5°	0.5	5.1	11.5	16.4	18.2
140°	0.5	4.8	10.5	15.3	17.2
142.5°	0.5	4.3	9.7	14.2	15.8
145°	0.5	4.0	8.6	13.1	14.5
147.5°	0.5	3.5	7.8	12.1	13.4
150°	0.5	3.2	7.0	11.0	12.3
152.5°	0.5	3.0	6.2	9.7	11.0
155°	0.5	2.7	5.6	8.3	9.9
157.5°	0.5	2.4	4.8	7.2	8.9
160°	0.8	2.1	4.3	6.2	7.5
162.5°	0.8	1.9	3.5	5.1	6.7
165°	0.8	1.9	3.0	4.0	5.6
167.5°	0.8	1.6	2.4	3.2	4.6
170°	0.8	1.3	2.1	2.4	3.5
172.5°	0.8	1.1	1.6	1.6	1.9
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)