

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: P565499

Luminaire Tested: **2SNX-19SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565499  
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-L835-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

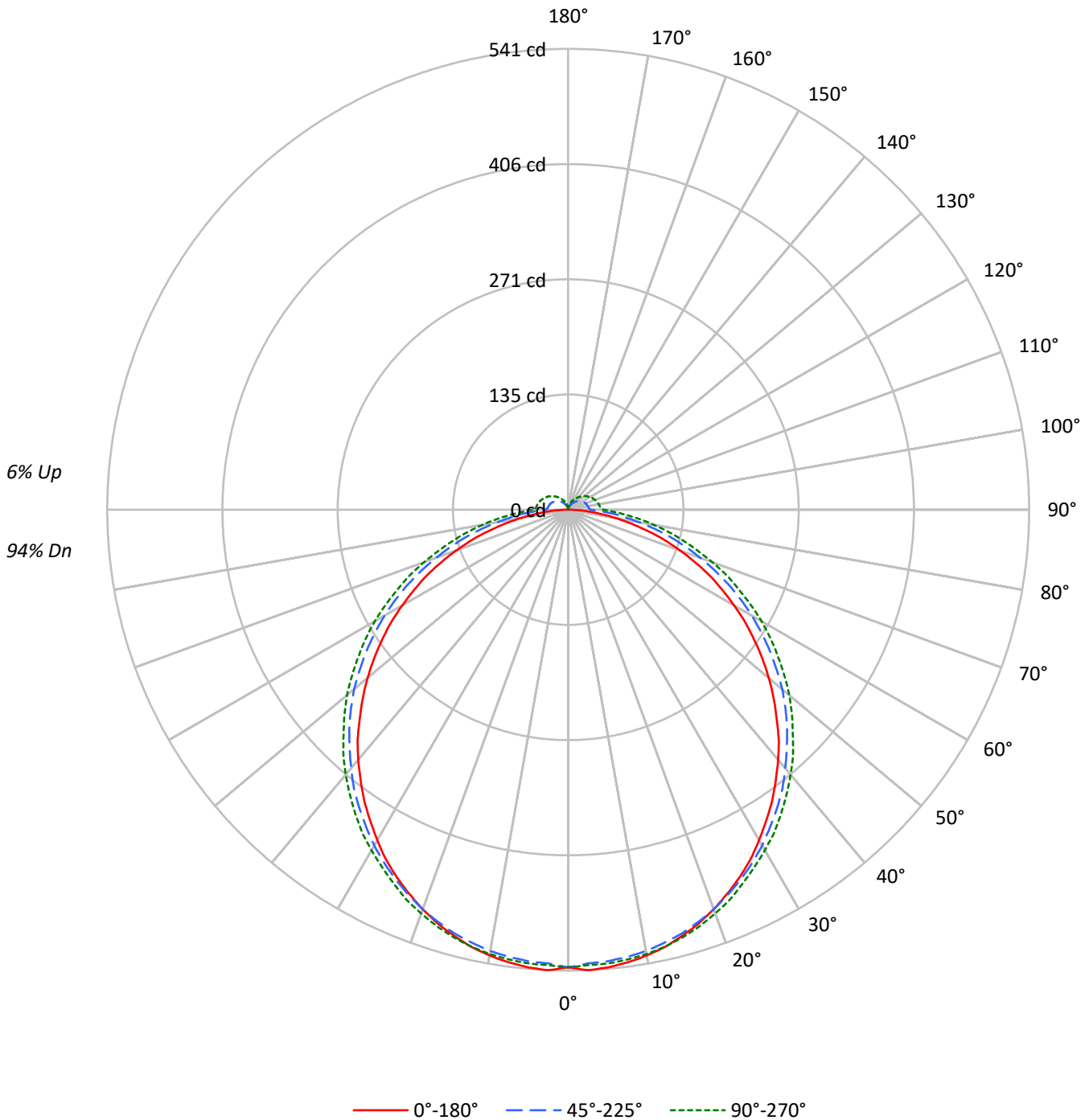
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1707.0 lumens  
Efficiency: N/A  
Efficacy: 142.3 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 (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	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°	11565	11565	11565
5°	11633	11365	11389
10°	11574	11236	11247
15°	11476	11086	11085
20°	11348	10908	10897
25°	11200	10711	10674
30°	11004	10511	10467
35°	10807	10278	10251
40°	10587	10022	10010
45°	10313	9766	9726
50°	10046	9478	9469
55°	9717	9120	9110
60°	9346	8712	8757
65°	8948	8226	8271
70°	8281	7613	7767
75°	7463	6894	7164
80°	6264	5944	6494
85°	4708	5106	5705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.9	3.0
10°-20°	146.2	8.6
20°-30°	221.5	13.0
30°-40°	267.4	15.7
40°-50°	279.3	16.4
50°-60°	256.6	15.0
60°-70°	202.9	11.9
70°-80°	128.4	7.5
80°-90°	55.2	3.2
90°-100°	24.3	1.4
100°-110°	21.8	1.3
110°-120°	18.4	1.1
120°-130°	14.3	0.8
130°-140°	9.9	0.6
140°-150°	5.9	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	418.7	24.5
0°-40°	686.1	40.2
0°-60°	1221.9	71.6
0°-90°	1608.4	94.2
90°-120°	64.4	3.8
90°-150°	94.6	5.5
90°-180°	99.0	5.8
0°-180°	1707.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	539	538	532	537	535	51
15°	518	518	515	520	520	146
25°	476	478	479	485	484	219
35°	417	422	427	434	436	261
45°	346	354	363	370	373	267
55°	267	278	289	298	300	239
65°	184	194	207	217	220	181
75°	97	108	124	134	140	103
85°	24	36	52	63	67	26
90°	2	13	27	37	41	2
95°	0	11	24	34	38	0
105°	0	10	23	32	35	0
115°	0	9	21	29	32	0
125°	1	8	17	25	28	1
135°	1	6	14	20	22	0
145°	1	4	10	15	16	0
155°	1	3	6	9	11	0
165°	1	2	3	4	6	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°	537.2	537.2	537.2	537.2	537.2
2.5°	541.1	539.3	533.2	537.5	535.3
5°	539.3	537.8	532.0	536.6	534.7
7.5°	536.0	534.7	529.6	534.4	532.6
10°	531.4	530.5	526.0	530.8	529.6
12.5°	525.7	525.4	520.8	526.3	525.4
15°	517.8	517.8	515.1	520.5	519.6
17.5°	509.4	509.7	507.5	513.3	512.7
20°	499.1	500.6	499.1	505.1	504.5
22.5°	487.9	490.0	489.4	495.4	495.7
25°	476.1	478.2	478.8	485.2	484.3
27.5°	463.1	466.4	467.6	473.4	473.1
30°	448.0	452.5	455.2	460.1	461.6
32.5°	432.6	438.0	441.3	448.0	449.8
35°	417.2	422.0	427.4	434.1	435.6
37.5°	400.2	405.7	412.9	419.3	421.1
40°	383.3	389.3	396.3	403.2	406.0
42.5°	365.8	372.1	379.7	387.8	390.6
45°	345.8	354.3	363.3	370.3	372.7
47.5°	326.8	336.1	345.8	353.4	356.1
50°	307.4	317.4	327.7	334.6	338.9
52.5°	287.2	298.1	308.3	317.1	319.8
55°	266.6	277.5	289.0	298.4	300.5
57.5°	246.7	257.2	268.7	277.5	281.7
60°	224.9	236.4	248.8	257.5	262.1
62.5°	203.7	214.9	228.2	237.6	241.2
65°	183.5	193.8	207.4	217.0	220.4
67.5°	161.1	172.9	185.9	197.1	201.3
70°	139.1	150.2	165.0	175.6	179.9
72.5°	118.5	129.4	144.2	154.8	158.7
75°	96.7	108.2	123.9	134.5	139.7
77.5°	75.9	88.6	103.7	115.2	120.9
80°	56.5	67.7	84.0	96.7	101.9
82.5°	38.4	50.5	67.4	79.2	84.9
85°	23.6	36.3	52.0	63.2	67.1
87.5°	11.2	23.3	37.8	48.7	53.5
90°	1.5	13.0	26.6	37.2	41.1
92.5°	0.3	11.2	24.5	34.5	38.1
95°	0.3	11.2	24.2	33.9	37.5
97.5°	0.3	10.9	23.9	33.6	36.9
100°	0.3	10.6	23.6	32.9	36.6
102.5°	0.3	10.6	23.0	32.3	35.7
105°	0.3	10.3	22.7	31.7	35.1
107.5°	0.3	10.0	22.1	31.1	34.5
110°	0.3	9.4	21.8	30.2	33.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.1	21.2	29.6	32.6
115°	0.3	8.8	20.6	28.7	31.7
117.5°	0.3	8.5	19.6	27.8	30.8
120°	0.6	8.5	19.0	26.9	29.6
122.5°	0.6	8.2	18.1	25.7	28.4
125°	0.6	7.9	17.2	24.8	27.5
127.5°	0.6	7.6	16.3	23.6	26.0
130°	0.6	7.0	15.7	22.4	24.8
132.5°	0.6	6.7	14.8	20.9	23.3
135°	0.6	6.0	13.9	19.6	22.1
137.5°	0.6	5.7	13.0	18.4	20.6
140°	0.6	5.4	11.8	17.2	19.3
142.5°	0.6	4.8	10.9	16.0	17.8
145°	0.6	4.5	9.7	14.8	16.3
147.5°	0.6	3.9	8.8	13.6	15.1
150°	0.6	3.6	7.9	12.4	13.9
152.5°	0.6	3.3	7.0	10.9	12.4
155°	0.6	3.0	6.3	9.4	11.2
157.5°	0.6	2.7	5.4	8.2	10.0
160°	0.9	2.4	4.8	7.0	8.5
162.5°	0.9	2.1	3.9	5.7	7.6
165°	0.9	2.1	3.3	4.5	6.3
167.5°	0.9	1.8	2.7	3.6	5.1
170°	0.9	1.5	2.4	2.7	3.9
172.5°	0.9	1.2	1.8	1.8	2.1
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)