

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: P565848

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-4000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565848  
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-SL3-FDL-UNV-CC93-CD-4000K-MED  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

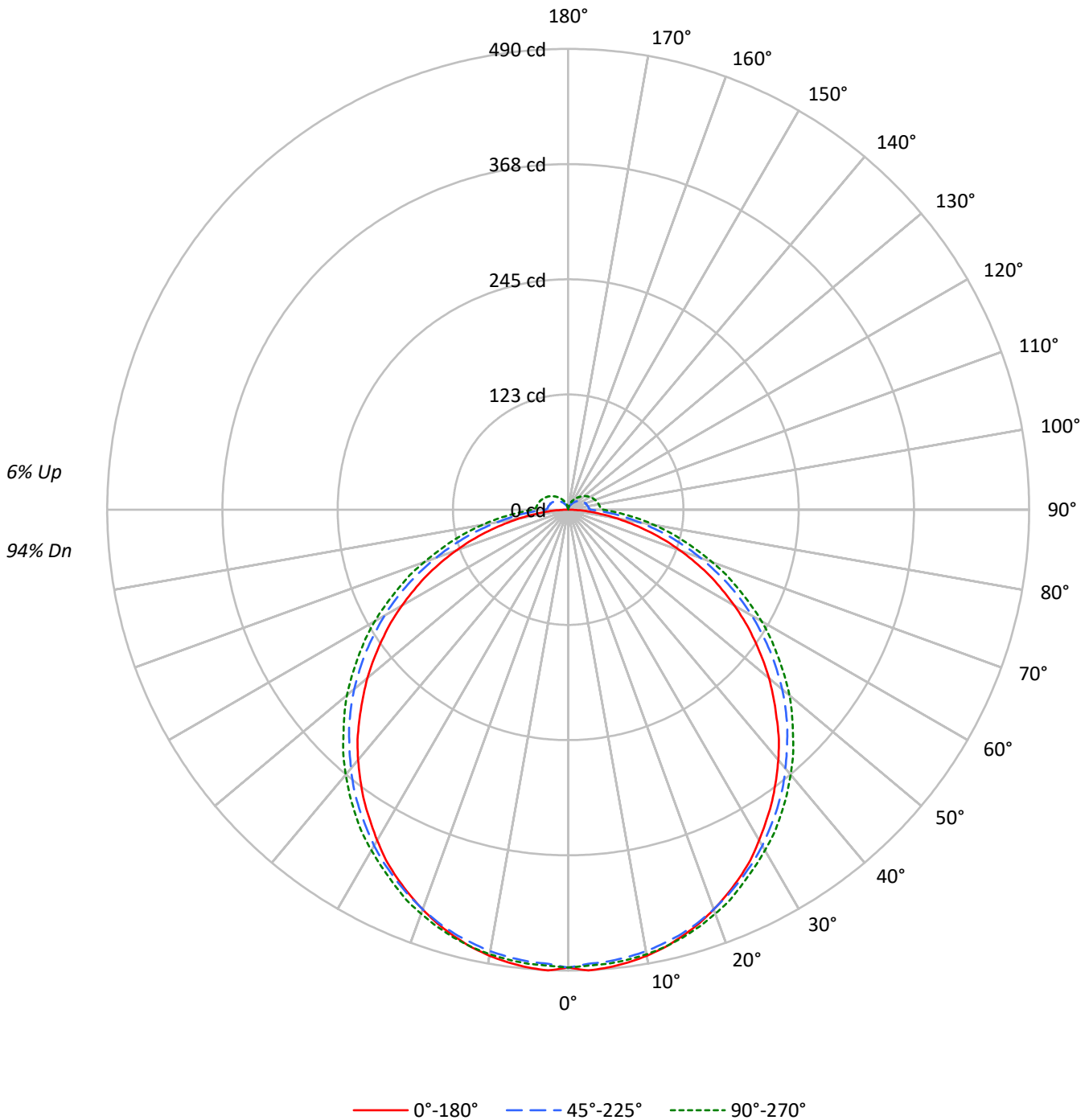
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1547.0 lumens  
Efficiency: N/A  
Efficacy: 116.0 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): 13.332  
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°	10480	10480	10480
5°	10542	10301	10322
10°	10489	10183	10193
15°	10401	10047	10046
20°	10284	9885	9875
25°	10151	9706	9674
30°	9972	9527	9485
35°	9794	9316	9291
40°	9595	9084	9070
45°	9347	8852	8815
50°	9105	8590	8581
55°	8806	8265	8255
60°	8469	7896	7935
65°	8109	7453	7494
70°	7501	6902	7037
75°	6768	6249	6492
80°	5677	5392	5883
85°	4269	4625	5170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.2	3.0
10°-20°	132.5	8.6
20°-30°	200.8	13.0
30°-40°	242.4	15.7
40°-50°	253.1	16.4
50°-60°	232.5	15.0
60°-70°	183.9	11.9
70°-80°	116.4	7.5
80°-90°	50.0	3.2
90°-100°	22.0	1.4
100°-110°	19.7	1.3
110°-120°	16.6	1.1
120°-130°	13.0	0.8
130°-140°	9.0	0.6
140°-150°	5.4	0.3
150°-160°	2.6	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	379.4	24.5
0°-40°	621.8	40.2
0°-60°	1107.4	71.6
0°-90°	1457.6	94.2
90°-120°	58.4	3.8
90°-150°	85.7	5.5
90°-180°	89.0	5.8
0°-180°	1547.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	487	487	487	487	487	
5°	489	487	482	486	485	46
15°	469	469	467	472	471	132
25°	432	433	434	440	439	199
35°	378	382	387	393	395	236
45°	313	321	329	336	338	242
55°	242	252	262	270	272	216
65°	166	176	188	197	200	164
75°	88	98	112	122	127	93
85°	21	33	47	57	61	24
90°	1	12	24	34	37	2
95°	0	10	22	31	34	0
105°	0	9	20	29	32	0
115°	0	8	19	26	29	0
125°	0	7	16	22	25	0
135°	0	6	13	18	20	0
145°	0	4	9	13	15	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°	486.8	486.8	486.8	486.8	486.8
2.5°	490.4	488.7	483.3	487.1	485.2
5°	488.7	487.4	482.2	486.3	484.6
7.5°	485.7	484.6	480.0	484.3	482.7
10°	481.6	480.8	476.7	481.1	480.0
12.5°	476.4	476.1	472.0	476.9	476.1
15°	469.3	469.3	466.8	471.7	470.9
17.5°	461.6	461.9	460.0	465.2	464.6
20°	452.3	453.7	452.3	457.8	457.2
22.5°	442.2	444.1	443.5	449.0	449.3
25°	431.5	433.4	433.9	439.7	438.9
27.5°	419.7	422.7	423.8	429.0	428.7
30°	406.0	410.1	412.6	417.0	418.3
32.5°	392.0	397.0	400.0	406.0	407.6
35°	378.1	382.4	387.4	393.4	394.8
37.5°	362.7	367.6	374.2	380.0	381.6
40°	347.4	352.8	359.2	365.5	367.9
42.5°	331.5	337.2	344.1	351.5	353.9
45°	313.4	321.1	329.3	335.6	337.8
47.5°	296.1	304.6	313.4	320.2	322.7
50°	278.6	287.6	297.0	303.3	307.1
52.5°	260.3	270.1	279.4	287.4	289.8
55°	241.6	251.5	261.9	270.4	272.3
57.5°	223.5	233.1	243.5	251.5	255.3
60°	203.8	214.2	225.5	233.4	237.5
62.5°	184.6	194.8	206.8	215.3	218.6
65°	166.3	175.6	187.9	196.7	199.7
67.5°	146.0	156.7	168.5	178.6	182.5
70°	126.0	136.2	149.6	159.2	163.0
72.5°	107.4	117.3	130.7	140.3	143.8
75°	87.7	98.1	112.3	121.9	126.6
77.5°	68.8	80.3	94.0	104.4	109.6
80°	51.2	61.4	76.2	87.7	92.3
82.5°	34.8	45.7	61.1	71.8	77.0
85°	21.4	32.9	47.1	57.3	60.8
87.5°	10.1	21.1	34.2	44.1	48.5
90°	1.4	11.8	24.1	33.7	37.3
92.5°	0.3	10.1	22.2	31.2	34.5
95°	0.3	10.1	21.9	30.7	34.0
97.5°	0.3	9.9	21.6	30.4	33.4
100°	0.3	9.6	21.4	29.9	33.1
102.5°	0.3	9.6	20.8	29.3	32.3
105°	0.3	9.3	20.5	28.8	31.8
107.5°	0.3	9.0	20.0	28.2	31.2
110°	0.3	8.5	19.7	27.4	30.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.2	19.2	26.8	29.6
115°	0.3	7.9	18.6	26.0	28.8
117.5°	0.3	7.7	17.8	25.2	27.9
120°	0.5	7.7	17.3	24.4	26.8
122.5°	0.5	7.4	16.4	23.3	25.8
125°	0.5	7.1	15.6	22.5	24.9
127.5°	0.5	6.8	14.8	21.4	23.6
130°	0.5	6.3	14.2	20.3	22.5
132.5°	0.5	6.0	13.4	18.9	21.1
135°	0.5	5.5	12.6	17.8	20.0
137.5°	0.5	5.2	11.8	16.7	18.6
140°	0.5	4.9	10.7	15.6	17.5
142.5°	0.5	4.4	9.9	14.5	16.2
145°	0.5	4.1	8.8	13.4	14.8
147.5°	0.5	3.6	7.9	12.3	13.7
150°	0.5	3.3	7.1	11.2	12.6
152.5°	0.5	3.0	6.3	9.9	11.2
155°	0.5	2.7	5.8	8.5	10.1
157.5°	0.5	2.5	4.9	7.4	9.0
160°	0.8	2.2	4.4	6.3	7.7
162.5°	0.8	1.9	3.6	5.2	6.8
165°	0.8	1.9	3.0	4.1	5.8
167.5°	0.8	1.6	2.5	3.3	4.7
170°	0.8	1.4	2.2	2.5	3.6
172.5°	0.8	1.1	1.6	1.6	1.9
175°	0.8	1.1	1.4	1.4	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)