

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: P565837

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565837  
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-CC83-CD-4000K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

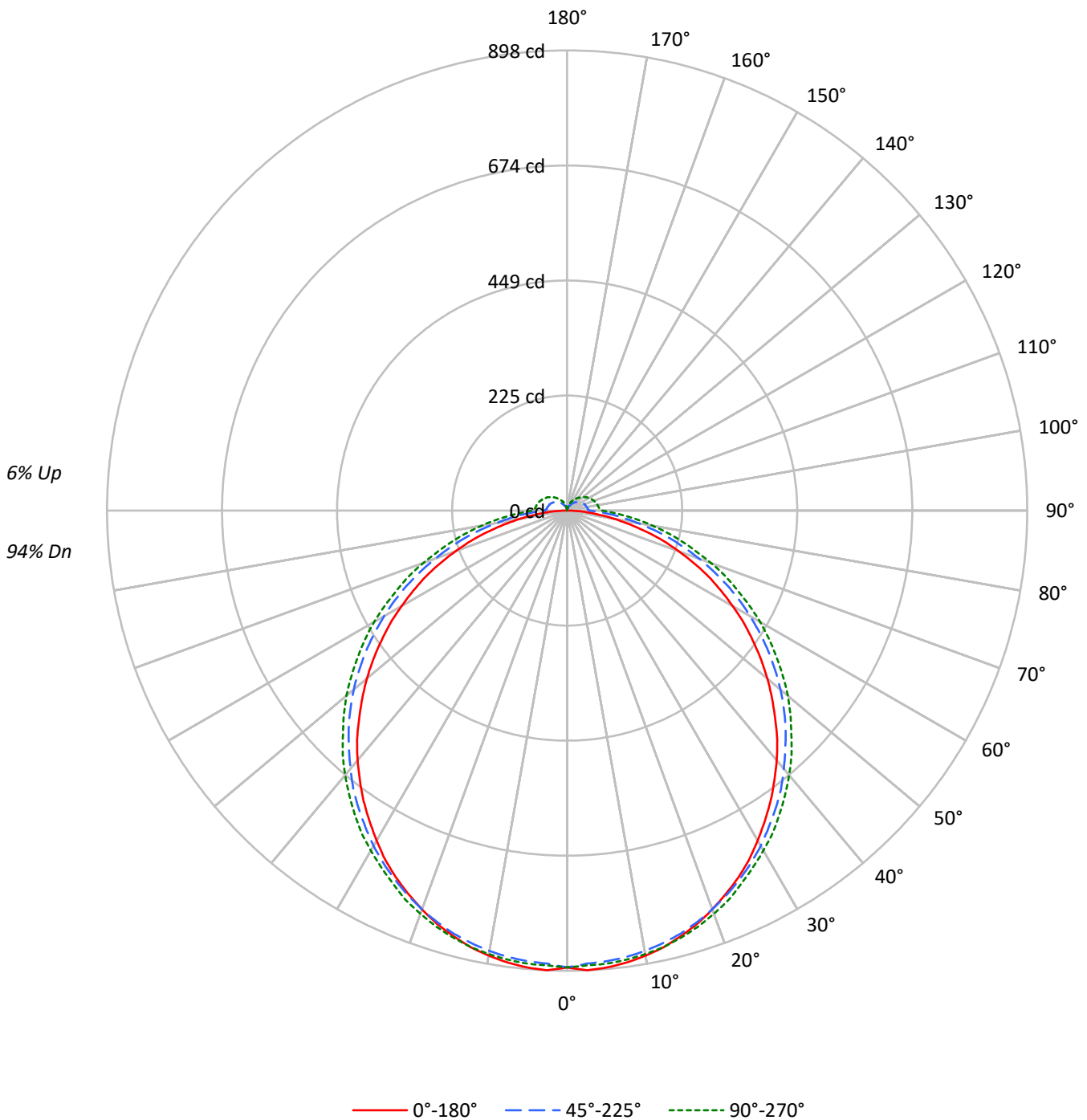
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2833.0 lumens  
Efficiency: N/A  
Efficacy: 140.2 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): 20.2  
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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### 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°	19192	19192	19192
5°	19306	18863	18903
10°	19210	18646	18664
15°	19047	18400	18399
20°	18833	18102	18085
25°	18589	17778	17714
30°	18262	17445	17372
35°	17932	17060	17013
40°	17569	16633	16612
45°	17116	16209	16143
50°	16673	15728	15714
55°	16128	15135	15119
60°	15513	14458	14534
65°	14848	13652	13723
70°	13741	12637	12887
75°	12387	11446	11887
80°	10400	9872	10777
85°	7800	8474	9472



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.5	3.0
10°-20°	242.6	8.6
20°-30°	367.7	13.0
30°-40°	443.8	15.7
40°-50°	463.5	16.4
50°-60°	425.8	15.0
60°-70°	336.7	11.9
70°-80°	213.1	7.5
80°-90°	91.6	3.2
90°-100°	40.3	1.4
100°-110°	36.1	1.3
110°-120°	30.5	1.1
120°-130°	23.7	0.8
130°-140°	16.4	0.6
140°-150°	9.9	0.3
150°-160°	4.8	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	694.8	24.5
0°-40°	1138.7	40.2
0°-60°	2027.9	71.6
0°-90°	2669.3	94.2
90°-120°	106.9	3.8
90°-150°	156.9	5.5
90°-180°	164.0	5.8
0°-180°	2833.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	895	892	883	890	888	85
15°	859	859	855	864	862	242
25°	790	794	795	805	804	364
35°	692	700	709	720	723	433
45°	574	588	603	615	619	443
55°	442	460	480	495	499	396
65°	304	322	344	360	366	300
75°	160	180	206	223	232	170
85°	39	60	86	105	111	43
90°	2	22	44	62	68	3
95°	0	19	40	56	62	0
105°	0	17	38	53	58	1
115°	0	14	34	48	53	1
125°	1	13	29	41	46	1
135°	1	10	23	33	37	1
145°	1	8	16	25	27	1
155°	1	5	10	16	19	0
165°	2	4	6	8	10	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	891.5	891.5	891.5	891.5	891.5
2.5°	898.0	895.0	885.0	892.0	888.5
5°	895.0	892.5	883.0	890.5	887.5
7.5°	889.5	887.5	878.9	887.0	884.0
10°	882.0	880.5	872.9	881.0	878.9
12.5°	872.4	871.9	864.4	873.4	871.9
15°	859.4	859.4	854.9	863.9	862.4
17.5°	845.3	845.8	842.3	851.9	850.9
20°	828.3	830.8	828.3	838.3	837.3
22.5°	809.7	813.2	812.2	822.3	822.8
25°	790.2	793.7	794.7	805.2	803.7
27.5°	768.6	774.1	776.1	785.6	785.1
30°	743.5	751.0	755.5	763.6	766.1
32.5°	717.9	726.9	732.5	743.5	746.5
35°	692.3	700.4	709.4	720.4	722.9
37.5°	664.2	673.3	685.3	695.8	698.8
40°	636.1	646.2	657.7	669.2	673.8
42.5°	607.0	617.6	630.1	643.7	648.2
45°	573.9	588.0	603.0	614.6	618.6
47.5°	542.3	557.9	573.9	586.5	591.0
50°	510.2	526.8	543.8	555.4	562.4
52.5°	476.6	494.7	511.7	526.3	530.8
55°	442.5	460.5	479.6	495.2	498.7
57.5°	409.4	426.9	446.0	460.5	467.6
60°	373.3	392.3	412.9	427.4	435.0
62.5°	338.1	356.7	378.8	394.3	400.3
65°	304.5	321.6	344.2	360.2	365.7
67.5°	267.4	287.0	308.5	327.1	334.1
70°	230.8	249.3	273.9	291.5	298.5
72.5°	196.7	214.7	239.3	256.9	263.4
75°	160.5	179.6	205.7	223.2	231.8
77.5°	125.9	147.0	172.1	191.1	200.7
80°	93.8	112.4	139.5	160.5	169.1
82.5°	63.7	83.8	111.9	131.4	141.0
85°	39.1	60.2	86.3	104.9	111.4
87.5°	18.6	38.6	62.7	80.8	88.8
90°	2.5	21.6	44.1	61.7	68.2
92.5°	0.5	18.6	40.6	57.2	63.2
95°	0.5	18.6	40.1	56.2	62.2
97.5°	0.5	18.1	39.6	55.7	61.2
100°	0.5	17.6	39.1	54.7	60.7
102.5°	0.5	17.6	38.1	53.7	59.2
105°	0.5	17.1	37.6	52.7	58.2
107.5°	0.5	16.6	36.6	51.7	57.2
110°	0.5	15.6	36.1	50.2	55.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.1	35.1	49.2	54.2
115°	0.5	14.5	34.1	47.7	52.7
117.5°	0.5	14.0	32.6	46.2	51.2
120°	1.0	14.0	31.6	44.6	49.2
122.5°	1.0	13.5	30.1	42.6	47.2
125°	1.0	13.0	28.6	41.1	45.7
127.5°	1.0	12.5	27.1	39.1	43.1
130°	1.0	11.5	26.1	37.1	41.1
132.5°	1.0	11.0	24.6	34.6	38.6
135°	1.0	10.0	23.1	32.6	36.6
137.5°	1.0	9.5	21.6	30.6	34.1
140°	1.0	9.0	19.6	28.6	32.1
142.5°	1.0	8.0	18.1	26.6	29.6
145°	1.0	7.5	16.1	24.6	27.1
147.5°	1.0	6.5	14.5	22.6	25.1
150°	1.0	6.0	13.0	20.6	23.1
152.5°	1.0	5.5	11.5	18.1	20.6
155°	1.0	5.0	10.5	15.6	18.6
157.5°	1.0	4.5	9.0	13.5	16.6
160°	1.5	4.0	8.0	11.5	14.0
162.5°	1.5	3.5	6.5	9.5	12.5
165°	1.5	3.5	5.5	7.5	10.5
167.5°	1.5	3.0	4.5	6.0	8.5
170°	1.5	2.5	4.0	4.5	6.5
172.5°	1.5	2.0	3.0	3.0	3.5
175°	1.5	2.0	2.5	2.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)