

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: P565836

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC83-CD-3500K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565836  
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-3500K-MED  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

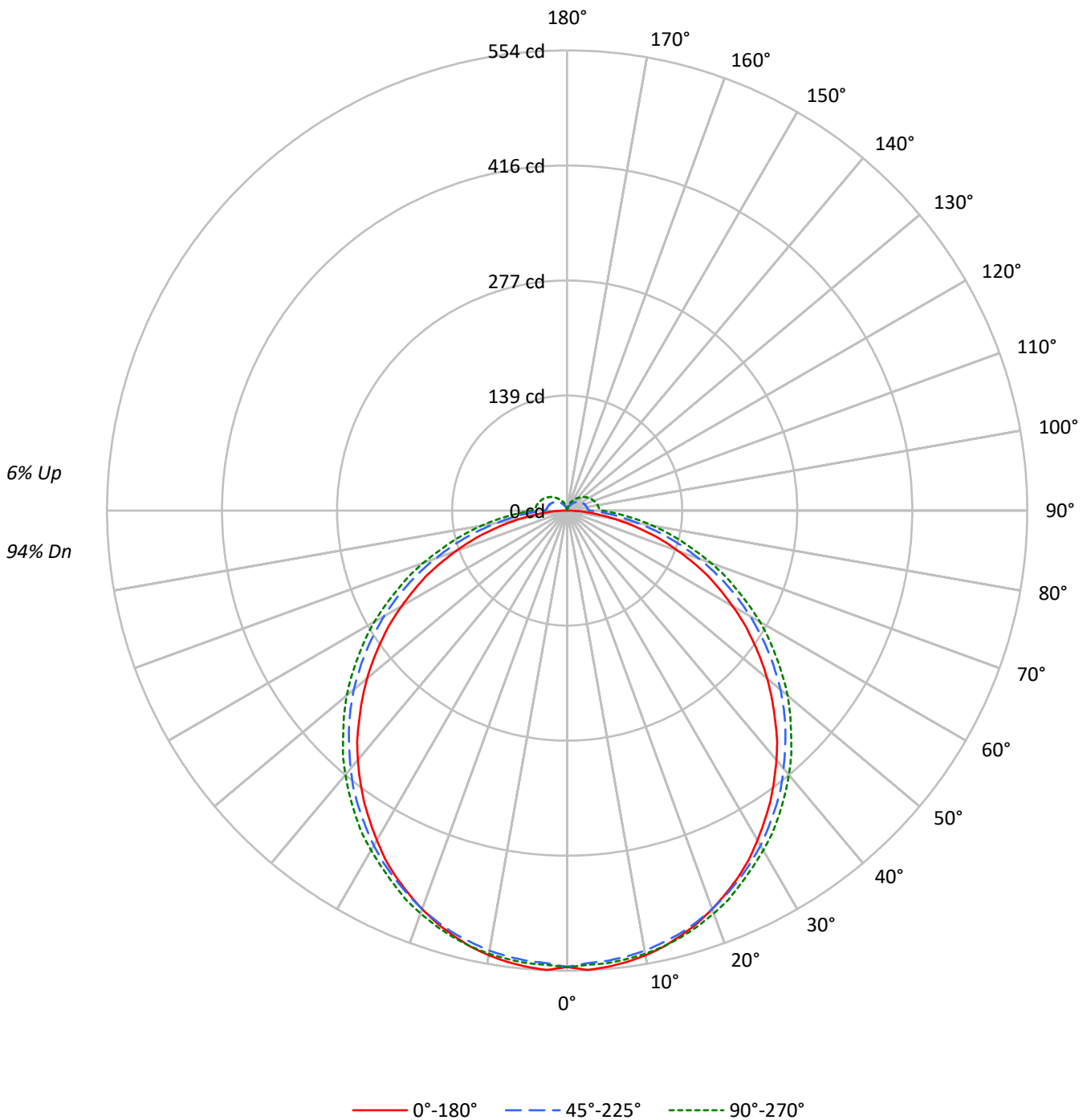
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1746.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 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): 13.86  
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°	11827	11827	11827
5°	11898	11625	11651
10°	11840	11492	11503
15°	11738	11340	11339
20°	11607	11157	11145
25°	11457	10957	10917
30°	11255	10751	10705
35°	11053	10514	10484
40°	10830	10252	10237
45°	10549	9989	9948
50°	10275	9695	9684
55°	9939	9328	9316
60°	9558	8911	8957
65°	9152	8412	8458
70°	8466	7788	7944
75°	7633	7056	7323
80°	6409	6086	6641
85°	4808	5224	5833



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	3.0
10°-20°	149.5	8.6
20°-30°	226.6	13.0
30°-40°	273.5	15.7
40°-50°	285.6	16.4
50°-60°	262.4	15.0
60°-70°	207.5	11.9
70°-80°	131.3	7.5
80°-90°	56.4	3.2
90°-100°	24.8	1.4
100°-110°	22.2	1.3
110°-120°	18.8	1.1
120°-130°	14.6	0.8
130°-140°	10.1	0.6
140°-150°	6.1	0.3
150°-160°	3.0	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	428.2	24.5
0°-40°	701.8	40.2
0°-60°	1249.8	71.6
0°-90°	1645.1	94.2
90°-120°	65.8	3.8
90°-150°	96.7	5.5
90°-180°	101.0	5.8
0°-180°	1746.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	549	549	549	549	549	
5°	552	550	544	549	547	52
15°	530	530	527	532	532	149
25°	487	489	490	496	495	224
35°	427	432	437	444	446	267
45°	354	362	372	379	381	273
55°	273	284	296	305	307	244
65°	188	198	212	222	225	185
75°	99	111	127	138	143	105
85°	24	37	53	65	69	27
90°	2	13	27	38	42	2
95°	0	11	25	35	38	0
105°	0	10	23	32	36	0
115°	0	9	21	29	32	0
125°	1	8	18	25	28	1
135°	1	6	14	20	23	0
145°	1	5	10	15	17	0
155°	1	3	6	10	11	0
165°	1	2	3	5	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°	549.4	549.4	549.4	549.4	549.4
2.5°	553.5	551.6	545.4	549.7	547.6
5°	551.6	550.1	544.2	548.8	547.0
7.5°	548.2	547.0	541.7	546.7	544.8
10°	543.6	542.6	538.0	542.9	541.7
12.5°	537.7	537.4	532.7	538.3	537.4
15°	529.6	529.6	526.9	532.4	531.5
17.5°	521.0	521.3	519.1	525.0	524.4
20°	510.5	512.0	510.5	516.7	516.0
22.5°	499.0	501.2	500.6	506.8	507.1
25°	487.0	489.1	489.8	496.3	495.3
27.5°	473.7	477.1	478.3	484.2	483.9
30°	458.2	462.9	465.6	470.6	472.1
32.5°	442.5	448.0	451.4	458.2	460.1
35°	426.7	431.6	437.2	444.0	445.5
37.5°	409.4	414.9	422.4	428.8	430.7
40°	392.1	398.2	405.4	412.5	415.2
42.5°	374.1	380.6	388.3	396.7	399.5
45°	353.7	362.4	371.6	378.8	381.2
47.5°	334.2	343.8	353.7	361.4	364.2
50°	314.4	324.7	335.2	342.3	346.6
52.5°	293.7	304.9	315.4	324.3	327.1
55°	272.7	283.8	295.6	305.2	307.3
57.5°	252.3	263.1	274.9	283.8	288.2
60°	230.0	241.8	254.5	263.4	268.1
62.5°	208.4	219.8	233.4	243.0	246.7
65°	187.7	198.2	212.1	222.0	225.4
67.5°	164.8	176.9	190.2	201.6	205.9
70°	142.2	153.7	168.8	179.6	184.0
72.5°	121.2	132.3	147.5	158.3	162.3
75°	98.9	110.7	126.8	137.6	142.8
77.5°	77.6	90.6	106.1	117.8	123.7
80°	57.8	69.3	86.0	98.9	104.2
82.5°	39.3	51.6	68.9	81.0	86.9
85°	24.1	37.1	53.2	64.6	68.6
87.5°	11.4	23.8	38.6	49.8	54.7
90°	1.5	13.3	27.2	38.0	42.1
92.5°	0.3	11.4	25.0	35.2	39.0
95°	0.3	11.4	24.7	34.6	38.3
97.5°	0.3	11.1	24.4	34.3	37.7
100°	0.3	10.8	24.1	33.7	37.4
102.5°	0.3	10.8	23.5	33.1	36.5
105°	0.3	10.5	23.2	32.5	35.9
107.5°	0.3	10.2	22.6	31.8	35.2
110°	0.3	9.6	22.3	30.9	34.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.3	21.6	30.3	33.4
115°	0.3	9.0	21.0	29.4	32.5
117.5°	0.3	8.7	20.1	28.4	31.5
120°	0.6	8.7	19.5	27.5	30.3
122.5°	0.6	8.3	18.6	26.3	29.1
125°	0.6	8.0	17.6	25.4	28.1
127.5°	0.6	7.7	16.7	24.1	26.6
130°	0.6	7.1	16.1	22.9	25.4
132.5°	0.6	6.8	15.2	21.3	23.8
135°	0.6	6.2	14.2	20.1	22.6
137.5°	0.6	5.9	13.3	18.9	21.0
140°	0.6	5.6	12.1	17.6	19.8
142.5°	0.6	4.9	11.1	16.4	18.2
145°	0.6	4.6	9.9	15.2	16.7
147.5°	0.6	4.0	9.0	13.9	15.5
150°	0.6	3.7	8.0	12.7	14.2
152.5°	0.6	3.4	7.1	11.1	12.7
155°	0.6	3.1	6.5	9.6	11.4
157.5°	0.6	2.8	5.6	8.3	10.2
160°	0.9	2.5	4.9	7.1	8.7
162.5°	0.9	2.2	4.0	5.9	7.7
165°	0.9	2.2	3.4	4.6	6.5
167.5°	0.9	1.9	2.8	3.7	5.3
170°	0.9	1.5	2.5	2.8	4.0
172.5°	0.9	1.2	1.9	1.9	2.2
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)