

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: P567048

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-3500K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567048  
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: 4SNX-SL3-FDL-UNV-CC83-CD-3500K-MED  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

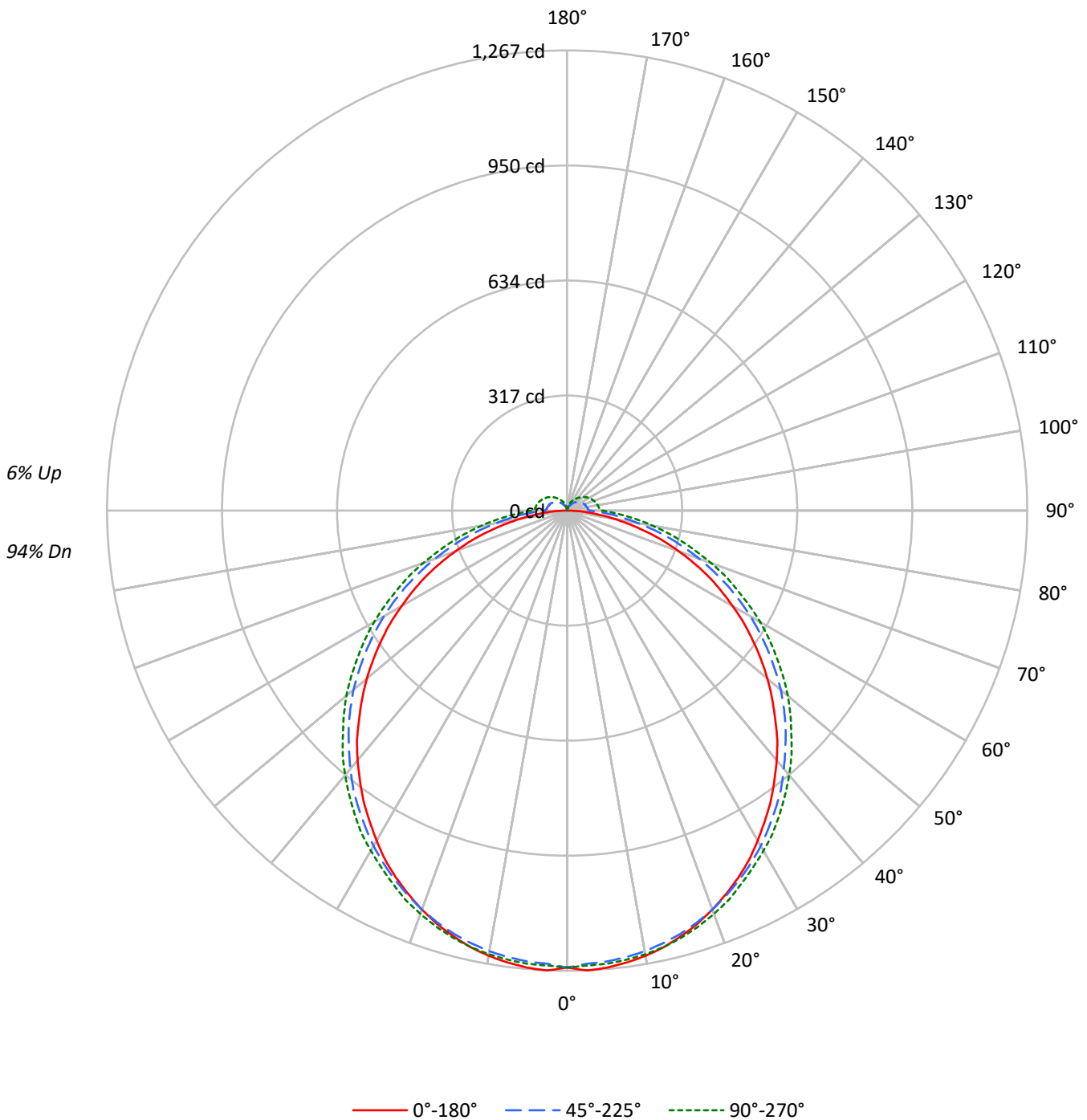
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3998.0 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Direct  
  
Input Watts (W): 33.462  
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°	13542	13542	13542
5°	13635	13318	13338
10°	13578	13174	13170
15°	13477	13007	12982
20°	13339	12806	12761
25°	13180	12585	12499
30°	12963	12358	12258
35°	12745	12094	12005
40°	12505	11802	11721
45°	12202	11513	11389
50°	11909	11183	11089
55°	11546	10774	10667
60°	11138	10309	10254
65°	10705	9752	9684
70°	9965	9053	9094
75°	9071	8228	8387
80°	7749	7133	7603
85°	6092	6187	6683



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	3.0
10°-20°	342.4	8.6
20°-30°	518.8	13.0
30°-40°	626.4	15.7
40°-50°	654.1	16.4
50°-60°	600.9	15.0
60°-70°	475.2	11.9
70°-80°	300.7	7.5
80°-90°	129.3	3.2
90°-100°	56.9	1.4
100°-110°	50.9	1.3
110°-120°	43.0	1.1
120°-130°	33.5	0.8
130°-140°	23.2	0.6
140°-150°	13.9	0.3
150°-160°	6.8	0.2
160°-170°	2.4	0.1
170°-180°	0.3	0.0
0°-30°	980.5	24.5
0°-40°	1606.9	40.2
0°-60°	2861.8	71.6
0°-90°	3767.0	94.2
90°-120°	150.8	3.8
90°-150°	221.5	5.5
90°-180°	231.0	5.8
0°-180°	3998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1263	1260	1246	1257	1252	120
15°	1213	1213	1206	1219	1217	342
25°	1115	1120	1122	1136	1134	514
35°	977	988	1001	1017	1020	611
45°	810	830	851	867	873	626
55°	624	650	677	699	704	559
65°	430	454	486	508	516	423
75°	227	254	290	315	327	240
85°	55	85	122	148	157	61
90°	4	30	62	87	96	5
95°	1	26	57	79	88	1
105°	1	24	53	74	82	1
115°	1	20	48	67	74	1
125°	1	18	40	58	64	1
135°	1	14	33	46	52	1
145°	1	11	23	35	38	1
155°	1	7	15	22	26	1
165°	2	5	8	11	15	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1258.1	1258.1	1258.1	1258.1	1258.1
2.5°	1267.3	1263.1	1248.9	1258.8	1253.8
5°	1263.1	1259.5	1246.1	1256.7	1252.4
7.5°	1255.3	1252.4	1240.4	1251.7	1247.5
10°	1244.6	1242.5	1231.9	1243.2	1240.4
12.5°	1231.2	1230.5	1219.9	1232.6	1230.5
15°	1212.8	1212.8	1206.4	1219.2	1217.0
17.5°	1193.0	1193.7	1188.7	1202.2	1200.7
20°	1168.9	1172.4	1168.9	1183.0	1181.6
22.5°	1142.7	1147.6	1146.2	1160.4	1161.1
25°	1115.1	1120.0	1121.5	1136.3	1134.2
27.5°	1084.6	1092.4	1095.3	1108.7	1108.0
30°	1049.2	1059.9	1066.2	1077.6	1081.1
32.5°	1013.1	1025.9	1033.7	1049.2	1053.5
35°	977.0	988.4	1001.1	1016.7	1020.2
37.5°	937.4	950.1	967.1	982.0	986.2
40°	897.7	911.9	928.2	944.5	950.8
42.5°	856.7	871.5	889.2	908.3	914.7
45°	809.9	829.8	851.0	867.3	872.9
47.5°	765.3	787.3	809.9	827.6	834.0
50°	720.0	743.4	767.5	783.7	793.7
52.5°	672.6	698.1	722.1	742.7	749.1
55°	624.4	649.9	676.8	698.8	703.7
57.5°	577.7	602.5	629.4	649.9	659.8
60°	526.7	553.6	582.7	603.2	613.8
62.5°	477.2	503.4	534.5	556.5	565.0
65°	429.7	453.8	485.7	508.3	516.1
67.5°	377.4	405.0	435.4	461.6	471.5
70°	325.7	351.9	386.6	411.3	421.3
72.5°	277.5	303.0	337.7	362.5	371.7
75°	226.6	253.5	290.3	315.1	327.1
77.5°	177.7	207.4	242.8	269.7	283.2
80°	132.4	158.6	196.8	226.6	238.6
82.5°	89.9	118.2	157.9	185.5	198.9
85°	55.2	85.0	121.8	148.0	157.2
87.5°	26.2	54.5	88.5	114.0	125.3
90°	3.5	30.4	62.3	87.1	96.3
92.5°	0.7	26.2	57.3	80.7	89.2
95°	0.7	26.2	56.6	79.3	87.8
97.5°	0.7	25.5	55.9	78.6	86.4
100°	0.7	24.8	55.2	77.2	85.7
102.5°	0.7	24.8	53.8	75.8	83.5
105°	0.7	24.1	53.1	74.3	82.1
107.5°	0.7	23.4	51.7	72.9	80.7
110°	0.7	21.9	51.0	70.8	78.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.2	49.6	69.4	76.5
115°	0.7	20.5	48.1	67.3	74.3
117.5°	0.7	19.8	46.0	65.1	72.2
120°	1.4	19.8	44.6	63.0	69.4
122.5°	1.4	19.1	42.5	60.2	66.6
125°	1.4	18.4	40.4	58.1	64.4
127.5°	1.4	17.7	38.2	55.2	60.9
130°	1.4	16.3	36.8	52.4	58.1
132.5°	1.4	15.6	34.7	48.9	54.5
135°	1.4	14.2	32.6	46.0	51.7
137.5°	1.4	13.5	30.4	43.2	48.1
140°	1.4	12.7	27.6	40.4	45.3
142.5°	1.4	11.3	25.5	37.5	41.8
145°	1.4	10.6	22.7	34.7	38.2
147.5°	1.4	9.2	20.5	31.9	35.4
150°	1.4	8.5	18.4	29.0	32.6
152.5°	1.4	7.8	16.3	25.5	29.0
155°	1.4	7.1	14.9	21.9	26.2
157.5°	1.4	6.4	12.7	19.1	23.4
160°	2.1	5.7	11.3	16.3	19.8
162.5°	2.1	5.0	9.2	13.5	17.7
165°	2.1	5.0	7.8	10.6	14.9
167.5°	2.1	4.2	6.4	8.5	12.0
170°	2.1	3.5	5.7	6.4	9.2
172.5°	2.1	2.8	4.2	4.2	5.0
175°	2.1	2.8	3.5	3.5	2.1
177.5°	2.1	2.1	2.1	2.1	1.4
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)