

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: P568169

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568169  
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: 8SNX-SL3-FDL-UNV-CC83-CD-5000K-LOW  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

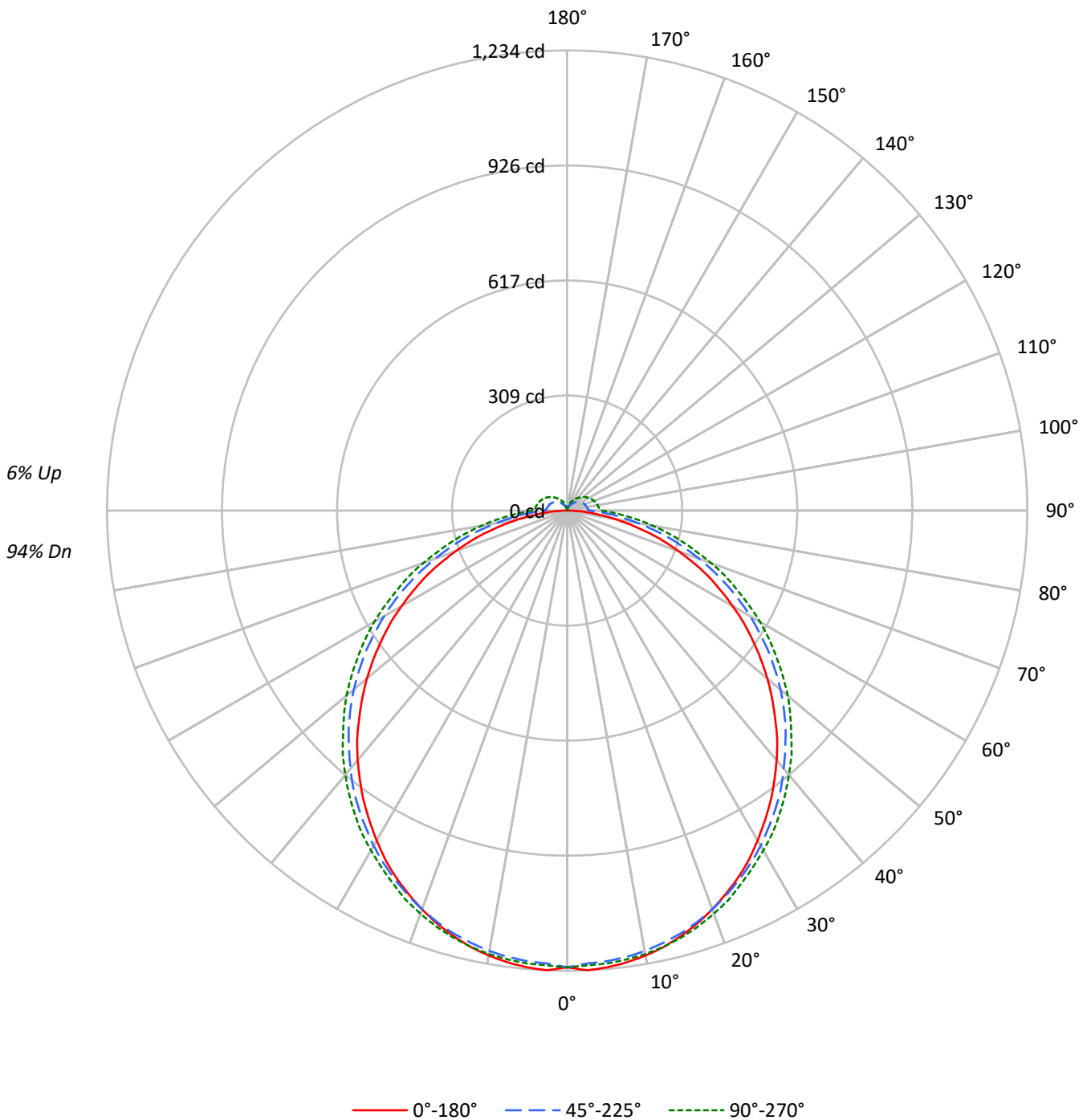
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3892.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct  
  
Input Watts (W): 33.726  
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°	6591	6591	6591
5°	6640	6484	6492
10°	6615	6416	6411
15°	6569	6337	6319
20°	6505	6241	6211
25°	6430	6135	6084
30°	6329	6028	5966
35°	6226	5901	5844
40°	6113	5761	5705
45°	5970	5622	5544
50°	5832	5464	5397
55°	5662	5268	5192
60°	5470	5044	4992
65°	5269	4776	4713
70°	4918	4439	4426
75°	4498	4043	4082
80°	3880	3515	3701
85°	3136	3063	3252



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.1	3.0
10°-20°	333.3	8.6
20°-30°	505.1	13.0
30°-40°	609.7	15.7
40°-50°	636.7	16.4
50°-60°	585.0	15.0
60°-70°	462.6	11.9
70°-80°	292.7	7.5
80°-90°	125.8	3.2
90°-100°	55.4	1.4
100°-110°	49.6	1.3
110°-120°	41.9	1.1
120°-130°	32.6	0.8
130°-140°	22.6	0.6
140°-150°	13.6	0.3
150°-160°	6.6	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	954.5	24.5
0°-40°	1564.3	40.2
0°-60°	2786.0	71.6
0°-90°	3667.1	94.2
90°-120°	146.8	3.8
90°-150°	215.6	5.5
90°-180°	225.0	5.8
0°-180°	3892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1230	1226	1213	1223	1219	117
15°	1181	1181	1174	1187	1185	333
25°	1086	1090	1092	1106	1104	500
35°	951	962	975	990	993	595
45°	788	808	828	844	850	609
55°	608	633	659	680	685	544
65°	418	442	473	495	502	412
75°	220	247	283	307	318	234
85°	54	83	118	144	153	59
90°	3	30	61	85	94	5
95°	1	26	55	77	86	1
105°	1	23	52	72	80	1
115°	1	20	47	66	72	1
125°	1	18	39	56	63	1
135°	1	14	32	45	50	1
145°	1	10	22	34	37	1
155°	1	7	14	21	26	1
165°	2	5	8	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1224.7	1224.7	1224.7	1224.7	1224.7
2.5°	1233.7	1229.6	1215.8	1225.4	1220.6
5°	1229.6	1226.1	1213.0	1223.4	1219.2
7.5°	1222.0	1219.2	1207.5	1218.5	1214.4
10°	1211.6	1209.6	1199.2	1210.3	1207.5
12.5°	1198.5	1197.9	1187.5	1199.9	1197.9
15°	1180.6	1180.6	1174.4	1186.8	1184.8
17.5°	1161.3	1162.0	1157.2	1170.3	1168.9
20°	1137.9	1141.3	1137.9	1151.7	1150.3
22.5°	1112.4	1117.2	1115.8	1129.6	1130.3
25°	1085.5	1090.3	1091.7	1106.2	1104.1
27.5°	1055.9	1063.5	1066.2	1079.3	1078.6
30°	1021.4	1031.8	1038.0	1049.0	1052.4
32.5°	986.3	998.7	1006.3	1021.4	1025.6
35°	951.1	962.1	974.6	989.7	993.2
37.5°	912.5	924.9	941.5	955.9	960.1
40°	873.9	887.7	903.6	919.4	925.6
42.5°	834.0	848.4	865.7	884.3	890.5
45°	788.5	807.8	828.4	844.3	849.8
47.5°	745.0	766.4	788.5	805.7	811.9
50°	700.9	723.7	747.1	763.0	772.6
52.5°	654.8	679.6	703.0	723.0	729.2
55°	607.9	632.7	658.9	680.3	685.1
57.5°	562.4	586.5	612.7	632.7	642.4
60°	512.8	539.0	567.2	587.2	597.6
62.5°	464.5	490.0	520.4	541.7	550.0
65°	418.4	441.8	472.8	494.9	502.4
67.5°	367.4	394.2	423.9	449.4	459.0
70°	317.0	342.5	376.3	400.4	410.1
72.5°	270.2	295.0	328.8	352.9	361.8
75°	220.5	246.7	282.6	306.7	318.4
77.5°	173.0	201.9	236.4	262.6	275.7
80°	128.9	154.4	191.6	220.5	232.3
82.5°	87.5	115.1	153.7	180.6	193.7
85°	53.8	82.7	118.5	144.0	153.0
87.5°	25.5	53.1	86.2	111.0	122.0
90°	3.4	29.6	60.7	84.8	93.7
92.5°	0.7	25.5	55.8	78.6	86.8
95°	0.7	25.5	55.1	77.2	85.5
97.5°	0.7	24.8	54.4	76.5	84.1
100°	0.7	24.1	53.8	75.1	83.4
102.5°	0.7	24.1	52.4	73.7	81.3
105°	0.7	23.4	51.7	72.4	79.9
107.5°	0.7	22.7	50.3	71.0	78.6
110°	0.7	21.4	49.6	68.9	76.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.7	48.2	67.5	74.4
115°	0.7	20.0	46.9	65.5	72.4
117.5°	0.7	19.3	44.8	63.4	70.3
120°	1.4	19.3	43.4	61.3	67.5
122.5°	1.4	18.6	41.4	58.6	64.8
125°	1.4	17.9	39.3	56.5	62.7
127.5°	1.4	17.2	37.2	53.8	59.3
130°	1.4	15.9	35.8	51.0	56.5
132.5°	1.4	15.2	33.8	47.6	53.1
135°	1.4	13.8	31.7	44.8	50.3
137.5°	1.4	13.1	29.6	42.0	46.9
140°	1.4	12.4	26.9	39.3	44.1
142.5°	1.4	11.0	24.8	36.5	40.7
145°	1.4	10.3	22.1	33.8	37.2
147.5°	1.4	9.0	20.0	31.0	34.5
150°	1.4	8.3	17.9	28.3	31.7
152.5°	1.4	7.6	15.9	24.8	28.3
155°	1.4	6.9	14.5	21.4	25.5
157.5°	1.4	6.2	12.4	18.6	22.7
160°	2.1	5.5	11.0	15.9	19.3
162.5°	2.1	4.8	9.0	13.1	17.2
165°	2.1	4.8	7.6	10.3	14.5
167.5°	2.1	4.1	6.2	8.3	11.7
170°	2.1	3.4	5.5	6.2	9.0
172.5°	2.1	2.8	4.1	4.1	4.8
175°	2.1	2.8	3.4	3.4	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)