

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: P565566

Luminaire Tested: **2SNX-23SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-23SL-LN-UNV-L930-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

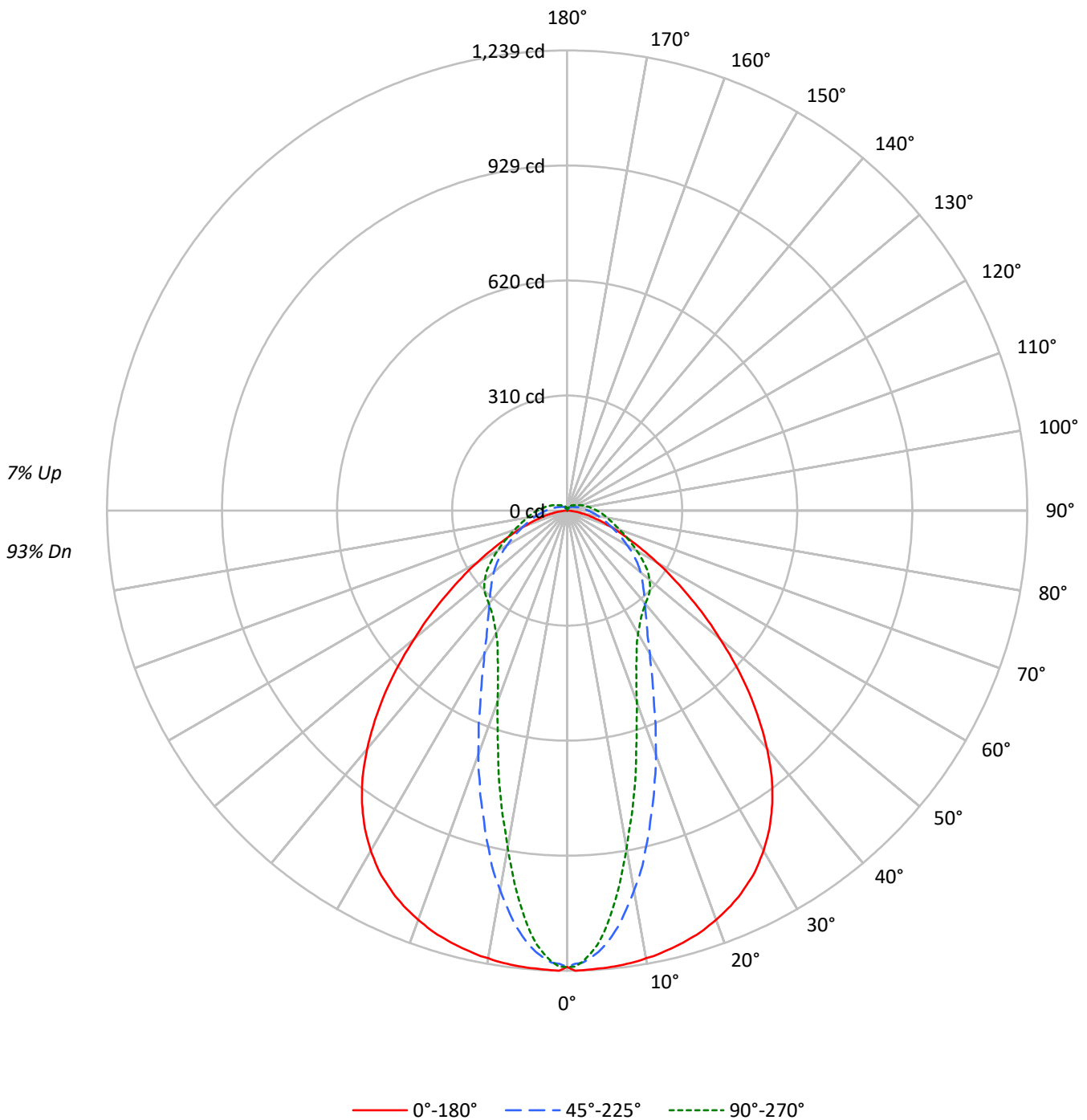
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1959.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 14.9  
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	26456	26456	26456
5°	26497	24256	23270
10°	26365	20750	18054
15°	26254	16890	13532
20°	26071	13427	10127
25°	25727	10499	8036
30°	25081	8480	6855
35°	23913	7162	6235
40°	22006	6309	5902
45°	19447	5759	5719
50°	16360	5288	5403
55°	13326	4780	4935
60°	10546	4194	4328
65°	8077	3670	3767
70°	6151	3235	3332
75°	4625	2895	3036
80°	3115	2636	2821
85°	1556	2441	2708



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.8	5.6
10°-20°	255.1	13.0
20°-30°	302.8	15.5
30°-40°	304.7	15.6
40°-50°	283.2	14.5
50°-60°	233.2	11.9
60°-70°	164.3	8.4
70°-80°	107.4	5.5
80°-90°	68.5	3.5
90°-100°	44.9	2.3
100°-110°	30.5	1.6
110°-120°	20.9	1.1
120°-130°	14.5	0.7
130°-140°	9.7	0.5
140°-150°	6.0	0.3
150°-160°	3.1	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	666.7	34.0
0°-40°	971.4	49.6
0°-60°	1487.8	75.9
0°-90°	1828.0	93.3
90°-120°	96.4	4.9
90°-150°	126.6	6.5
90°-180°	131.0	6.7
0°-180°	1959.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1229	1229	1229	1229	1229	
5°	1235	1219	1174	1152	1140	118
15°	1204	1076	866	757	716	340
25°	1125	832	551	463	444	518
35°	963	563	374	350	348	599
45°	692	371	290	305	313	531
55°	397	243	224	248	257	359
65°	187	147	154	174	180	190
75°	73	76	104	122	127	79
85°	12	35	70	90	94	15
90°	0	24	56	77	80	1
95°	0	18	47	65	68	0
105°	0	12	32	45	49	0
115°	1	10	23	33	35	1
125°	1	8	18	24	26	1
135°	1	7	14	18	20	1
145°	1	5	10	14	15	1
155°	1	4	7	10	11	0
165°	1	2	4	5	6	0
175°	2	2	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°	1228.9	1228.9	1228.9	1228.9	1228.9
1°	1239.2	1234.1	1220.7	1230.0	1227.9
2°	1238.2	1233.0	1217.6	1221.8	1214.6
3°	1237.2	1230.0	1206.4	1205.3	1195.1
4°	1236.1	1224.8	1192.0	1179.7	1171.4
5°	1235.1	1218.7	1174.5	1151.9	1139.6
6°	1234.1	1211.5	1151.9	1118.1	1100.6
7°	1232.0	1200.2	1128.3	1082.1	1059.5
8°	1230.0	1189.9	1098.6	1043.1	1015.4
9°	1227.9	1176.6	1068.8	1001.0	968.2
10°	1223.8	1163.2	1038.0	957.9	923.0
11°	1221.8	1147.8	1008.2	916.8	875.8
12°	1217.6	1131.4	976.4	873.7	837.8
13°	1213.5	1114.0	937.4	836.7	793.6
14°	1209.4	1095.5	903.5	795.7	755.6
15°	1204.3	1076.0	865.5	756.7	715.6
16°	1199.2	1053.4	831.6	716.6	673.5
17°	1194.0	1031.8	799.8	679.7	640.7
18°	1187.9	1010.3	762.8	643.7	605.7
19°	1179.7	985.6	733.1	610.9	576.0
20°	1172.5	963.0	699.2	580.1	549.3
21°	1164.3	935.3	665.3	551.3	520.5
22.5°	1151.9	896.3	622.2	515.4	486.6
23°	1145.8	885.0	604.7	502.0	477.4
24°	1137.6	855.2	576.0	481.5	456.9
25°	1125.2	831.6	551.3	463.0	443.5
26°	1114.0	802.9	526.7	446.6	427.1
27°	1102.7	775.1	505.1	429.2	412.7
28°	1088.3	746.4	481.5	414.8	400.4
29°	1072.9	719.7	462.0	402.5	391.2
30°	1057.5	689.9	445.6	391.2	381.9
32.5°	1014.4	624.2	403.5	369.6	363.4
35°	963.0	562.6	373.7	350.1	348.0
37.5°	905.5	506.2	347.0	334.7	336.8
40°	837.8	454.8	324.4	323.4	327.5
42.5°	765.9	410.7	307.0	314.2	320.3
45°	692.0	370.6	289.5	304.9	313.1
47.5°	615.0	335.7	274.1	293.6	302.9
50°	537.0	301.8	257.7	280.3	289.5
52.5°	467.1	272.1	241.3	264.9	275.2
55°	397.3	243.3	223.8	248.5	256.7
57.5°	336.8	216.6	205.3	230.0	236.1
60°	280.3	191.0	186.9	209.4	216.6
62.5°	229.0	168.4	169.4	191.0	198.1
65°	186.9	146.8	154.0	173.5	179.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	151.9	126.3	138.6	159.1	164.3
70°	120.1	107.8	126.3	144.8	149.9
72.5°	95.5	91.4	114.0	133.5	137.6
75°	72.9	76.0	103.7	122.2	127.3
77.5°	52.4	63.7	93.4	112.9	117.0
80°	37.0	52.4	85.2	104.7	108.8
82.5°	23.6	43.1	77.0	97.5	101.6
85°	12.3	34.9	69.8	90.3	94.5
87.5°	5.1	28.7	62.6	83.2	87.3
90°	0.0	23.6	56.5	77.0	80.1
92.5°	0.0	20.5	51.3	70.8	73.9
95°	0.0	17.5	47.2	64.7	67.8
97.5°	0.0	16.4	42.1	59.5	62.6
100°	0.0	14.4	38.0	54.4	58.5
102.5°	0.0	13.3	34.9	49.3	53.4
105°	0.0	12.3	31.8	45.2	49.3
107.5°	0.0	11.3	29.8	42.1	45.2
110°	0.0	11.3	26.7	39.0	42.1
112.5°	1.0	10.3	24.6	34.9	38.0
115°	1.0	10.3	22.6	32.9	34.9
117.5°	1.0	10.3	21.6	29.8	31.8
120°	1.0	9.2	20.5	27.7	29.8
122.5°	1.0	9.2	19.5	25.7	26.7
125°	1.0	8.2	18.5	23.6	25.7
127.5°	1.0	8.2	17.5	22.6	23.6
130°	1.0	8.2	16.4	20.5	22.6
132.5°	1.0	7.2	15.4	19.5	20.5
135°	1.0	7.2	14.4	18.5	19.5
137.5°	1.0	6.2	13.3	17.5	18.5
140°	1.0	6.2	12.3	16.4	17.5
142.5°	1.0	5.1	11.3	15.4	16.4
145°	1.0	5.1	10.3	14.4	15.4
147.5°	1.0	5.1	9.2	13.3	14.4
150°	1.0	4.1	8.2	12.3	13.3
152.5°	1.0	4.1	7.2	11.3	12.3
155°	1.0	4.1	7.2	10.3	11.3
157.5°	1.0	3.1	6.2	8.2	10.3
160°	1.0	3.1	5.1	7.2	9.2
162.5°	1.0	3.1	5.1	6.2	7.2
165°	1.0	2.1	4.1	5.1	6.2
167.5°	1.0	2.1	3.1	4.1	5.1
170°	1.0	2.1	3.1	3.1	4.1
172.5°	1.0	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	1.0
177.5°	2.1	2.1	2.1	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)