

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: P565567

Luminaire Tested: **2SNX-23SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565567  
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-L935-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

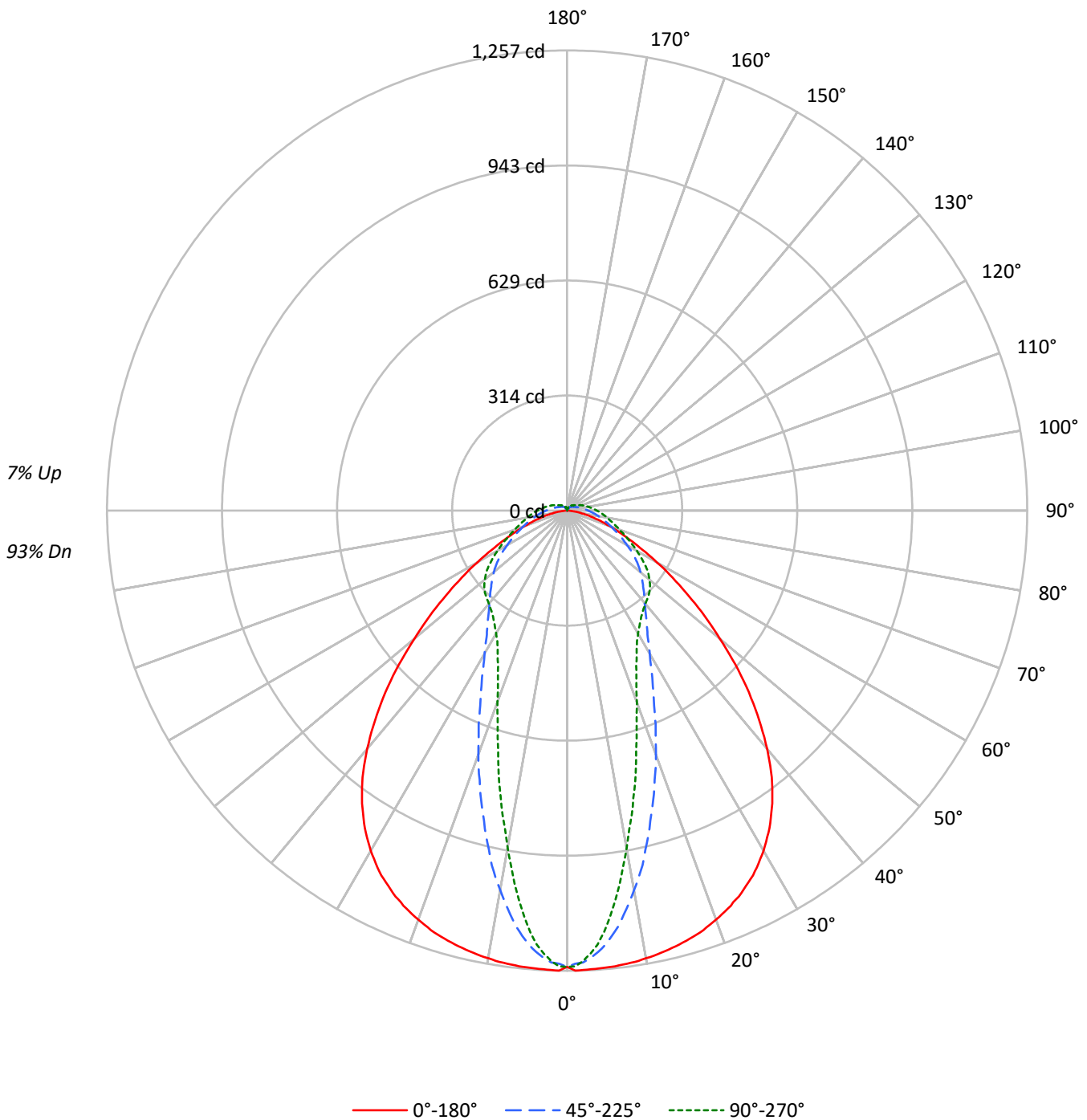
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1987.0 lumens  
Efficiency: N/A  
Efficacy: 133.4 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	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	68	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°	26834	26834	26834
5°	26877	24603	23602
10°	26742	21046	18313
15°	26629	17132	13724
20°	26442	13619	10271
25°	26096	10649	8152
30°	25439	8600	6954
35°	24256	7265	6325
40°	22318	6400	5987
45°	19725	5843	5802
50°	16592	5364	5481
55°	13517	4848	5005
60°	10697	4253	4390
65°	8189	3723	3820
70°	6238	3282	3379
75°	4689	2937	3079
80°	3157	2673	2863
85°	1581	2476	2745



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.4	5.6
10°-20°	258.7	13.0
20°-30°	307.1	15.5
30°-40°	309.0	15.6
40°-50°	287.2	14.5
50°-60°	236.5	11.9
60°-70°	166.7	8.4
70°-80°	108.9	5.5
80°-90°	69.5	3.5
90°-100°	45.6	2.3
100°-110°	31.0	1.6
110°-120°	21.2	1.1
120°-130°	14.7	0.7
130°-140°	9.9	0.5
140°-150°	6.1	0.3
150°-160°	3.2	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	676.3	34.0
0°-40°	985.3	49.6
0°-60°	1509.1	75.9
0°-90°	1854.1	93.3
90°-120°	97.8	4.9
90°-150°	128.4	6.5
90°-180°	133.0	6.7
0°-180°	1987.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1246	1246	1246	1246	1246	
5°	1253	1236	1191	1168	1156	119
15°	1222	1091	878	768	726	345
25°	1141	844	559	470	450	525
35°	977	571	379	355	353	607
45°	702	376	294	309	318	539
55°	403	247	227	252	260	364
65°	190	149	156	176	182	192
75°	74	77	105	124	129	80
85°	12	35	71	92	96	16
90°	0	24	57	78	81	1
95°	0	18	48	66	69	0
105°	0	12	32	46	50	0
115°	1	10	23	33	35	1
125°	1	8	19	24	26	1
135°	1	7	15	19	20	1
145°	1	5	10	15	16	1
155°	1	4	7	10	12	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°	1246.5	1246.5	1246.5	1246.5	1246.5
1°	1256.9	1251.7	1238.2	1247.5	1245.5
2°	1255.9	1250.7	1235.0	1239.2	1231.9
3°	1254.8	1247.5	1223.6	1222.6	1212.1
4°	1253.8	1242.3	1209.0	1196.5	1188.2
5°	1252.8	1236.1	1191.3	1168.4	1155.9
6°	1251.7	1228.8	1168.4	1134.0	1116.3
7°	1249.6	1217.3	1144.5	1097.6	1074.7
8°	1247.5	1206.9	1114.3	1058.0	1029.9
9°	1245.5	1193.4	1084.1	1015.3	982.0
10°	1241.3	1179.9	1052.8	971.6	936.2
11°	1239.2	1164.2	1022.6	929.9	888.3
12°	1235.0	1147.6	990.3	886.2	849.7
13°	1230.9	1129.9	950.8	848.7	805.0
14°	1226.7	1111.1	916.4	807.1	766.4
15°	1221.5	1091.3	877.9	767.5	725.8
16°	1216.3	1068.4	843.5	726.9	683.1
17°	1211.1	1046.6	811.2	689.4	649.8
18°	1204.9	1024.7	773.7	652.9	614.4
19°	1196.5	999.7	743.5	619.6	584.2
20°	1189.2	976.8	709.2	588.4	557.1
21°	1180.9	948.7	674.8	559.2	528.0
22.5°	1168.4	909.1	631.1	522.8	493.6
23°	1162.2	897.6	613.4	509.2	484.2
24°	1153.8	867.5	584.2	488.4	463.4
25°	1141.3	843.5	559.2	469.7	449.9
26°	1129.9	814.3	534.2	453.0	433.2
27°	1118.4	786.2	512.3	435.3	418.6
28°	1103.8	757.1	488.4	420.7	406.1
29°	1088.2	730.0	468.6	408.2	396.8
30°	1072.6	699.8	451.9	396.8	387.4
32.5°	1028.9	633.1	409.3	374.9	368.6
35°	976.8	570.7	379.1	355.1	353.0
37.5°	918.5	513.4	352.0	339.5	341.6
40°	849.7	461.3	329.1	328.0	332.2
42.5°	776.9	416.5	311.4	318.7	324.9
45°	701.9	375.9	293.7	309.3	317.6
47.5°	623.8	340.5	278.0	297.8	307.2
50°	544.6	306.2	261.4	284.3	293.7
52.5°	473.8	276.0	244.7	268.7	279.1
55°	403.0	246.8	227.0	252.0	260.3
57.5°	341.6	219.7	208.3	233.3	239.5
60°	284.3	193.7	189.5	212.4	219.7
62.5°	232.2	170.8	171.8	193.7	201.0
65°	189.5	148.9	156.2	176.0	182.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	154.1	128.1	140.6	161.4	166.6
70°	121.8	109.3	128.1	146.8	152.0
72.5°	96.8	92.7	115.6	135.4	139.5
75°	73.9	77.1	105.2	123.9	129.1
77.5°	53.1	64.6	94.8	114.5	118.7
80°	37.5	53.1	86.4	106.2	110.4
82.5°	24.0	43.7	78.1	98.9	103.1
85°	12.5	35.4	70.8	91.6	95.8
87.5°	5.2	29.2	63.5	84.3	88.5
90°	0.0	24.0	57.3	78.1	81.2
92.5°	0.0	20.8	52.1	71.9	75.0
95°	0.0	17.7	47.9	65.6	68.7
97.5°	0.0	16.7	42.7	60.4	63.5
100°	0.0	14.6	38.5	55.2	59.4
102.5°	0.0	13.5	35.4	50.0	54.2
105°	0.0	12.5	32.3	45.8	50.0
107.5°	0.0	11.5	30.2	42.7	45.8
110°	0.0	11.5	27.1	39.6	42.7
112.5°	1.0	10.4	25.0	35.4	38.5
115°	1.0	10.4	22.9	33.3	35.4
117.5°	1.0	10.4	21.9	30.2	32.3
120°	1.0	9.4	20.8	28.1	30.2
122.5°	1.0	9.4	19.8	26.0	27.1
125°	1.0	8.3	18.7	24.0	26.0
127.5°	1.0	8.3	17.7	22.9	24.0
130°	1.0	8.3	16.7	20.8	22.9
132.5°	1.0	7.3	15.6	19.8	20.8
135°	1.0	7.3	14.6	18.7	19.8
137.5°	1.0	6.2	13.5	17.7	18.7
140°	1.0	6.2	12.5	16.7	17.7
142.5°	1.0	5.2	11.5	15.6	16.7
145°	1.0	5.2	10.4	14.6	15.6
147.5°	1.0	5.2	9.4	13.5	14.6
150°	1.0	4.2	8.3	12.5	13.5
152.5°	1.0	4.2	7.3	11.5	12.5
155°	1.0	4.2	7.3	10.4	11.5
157.5°	1.0	3.1	6.2	8.3	10.4
160°	1.0	3.1	5.2	7.3	9.4
162.5°	1.0	3.1	5.2	6.2	7.3
165°	1.0	2.1	4.2	5.2	6.2
167.5°	1.0	2.1	3.1	4.2	5.2
170°	1.0	2.1	3.1	3.1	4.2
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)