

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: P565616

Luminaire Tested: **2SNX-25SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565616  
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-25SL-LN-UNV-L940-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

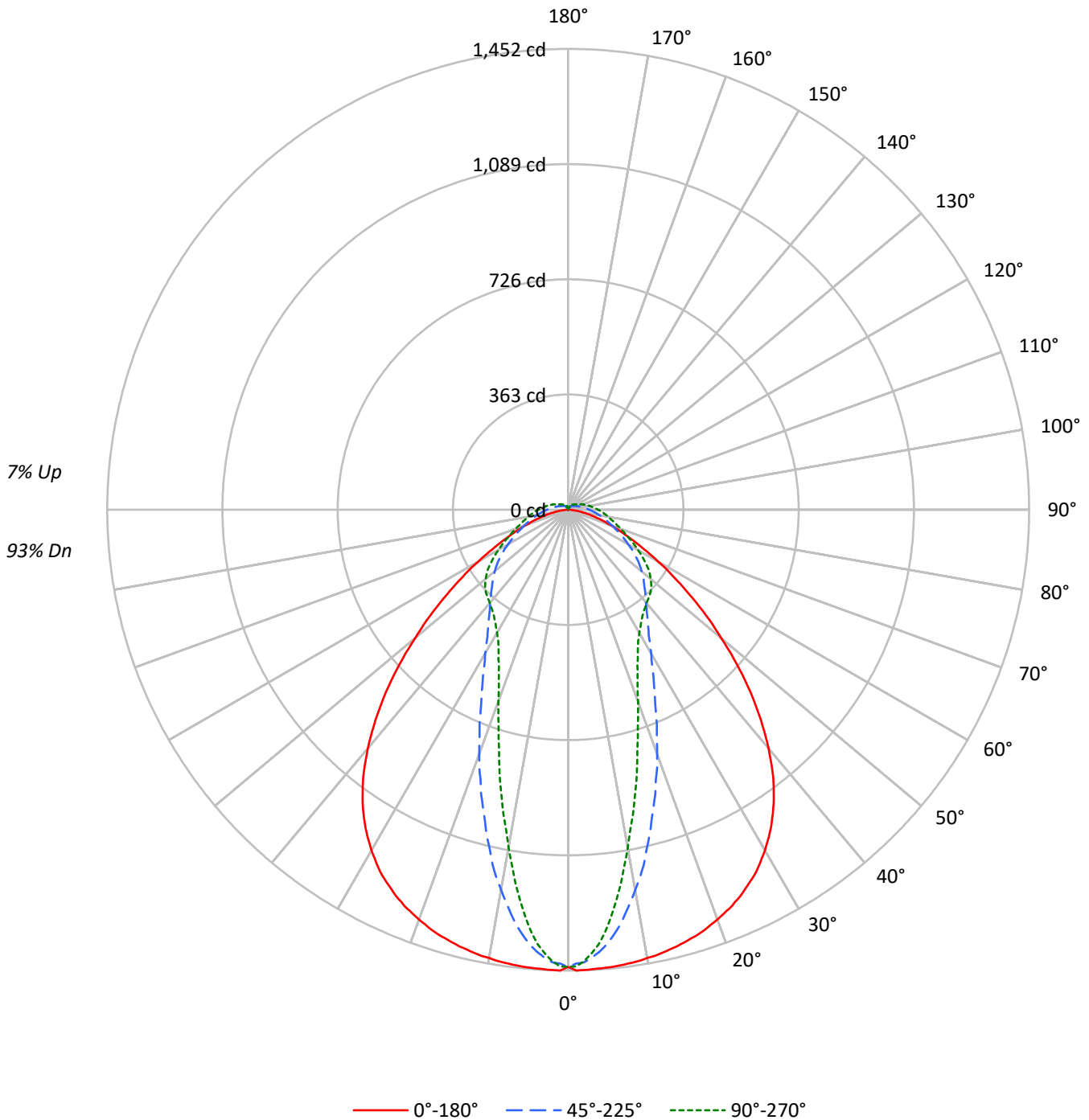
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2296.0 lumens  
Efficiency: N/A  
Efficacy: 131.2 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): 17.5  
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	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°	31007	31007	31007
5°	31056	28429	27274
10°	30900	24319	21161
15°	30771	19795	15859
20°	30555	15735	11869
25°	30154	12306	9419
30°	29395	9938	8034
35°	28027	8394	7308
40°	25790	7394	6918
45°	22792	6750	6704
50°	19172	6197	6332
55°	15620	5602	5783
60°	12360	4915	5073
65°	9464	4302	4415
70°	7211	3791	3905
75°	5418	3392	3558
80°	3645	3090	3306
85°	1822	2861	3172



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.6	5.6
10°-20°	299.0	13.0
20°-30°	354.9	15.5
30°-40°	357.1	15.6
40°-50°	331.9	14.5
50°-60°	273.3	11.9
60°-70°	192.6	8.4
70°-80°	125.8	5.5
80°-90°	80.3	3.5
90°-100°	52.7	2.3
100°-110°	35.8	1.6
110°-120°	24.5	1.1
120°-130°	17.0	0.7
130°-140°	11.4	0.5
140°-150°	7.0	0.3
150°-160°	3.6	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	781.4	34.0
0°-40°	1138.5	49.6
0°-60°	1743.7	75.9
0°-90°	2142.4	93.3
90°-120°	112.9	4.9
90°-150°	148.3	6.5
90°-180°	154.0	6.7
0°-180°	2296.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1448	1428	1377	1350	1336	138
15°	1412	1261	1014	887	839	399
25°	1319	975	646	543	520	607
35°	1129	659	438	410	408	702
45°	811	434	339	357	367	623
55°	466	285	262	291	301	421
65°	219	172	180	203	211	222
75°	85	89	122	143	149	92
85°	14	41	82	106	111	18
90°	0	28	66	90	94	1
95°	0	20	55	76	79	0
105°	0	14	37	53	58	0
115°	1	12	26	38	41	1
125°	1	10	22	28	30	1
135°	1	8	17	22	23	1
145°	1	6	12	17	18	1
155°	1	5	8	12	13	1
165°	1	2	5	6	7	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°	1440.3	1440.3	1440.3	1440.3	1440.3
1°	1452.4	1446.4	1430.7	1441.6	1439.1
2°	1451.2	1445.2	1427.1	1431.9	1423.5
3°	1450.0	1441.6	1413.9	1412.7	1400.6
4°	1448.8	1435.5	1397.0	1382.6	1373.0
5°	1447.6	1428.3	1376.6	1350.1	1335.7
6°	1446.4	1419.9	1350.1	1310.4	1289.9
7°	1444.0	1406.7	1322.4	1268.3	1241.8
8°	1441.6	1394.6	1287.5	1222.6	1190.1
9°	1439.1	1379.0	1252.6	1173.2	1134.7
10°	1434.3	1363.3	1216.5	1122.7	1081.8
11°	1431.9	1345.3	1181.6	1074.5	1026.4
12°	1427.1	1326.0	1144.3	1024.0	981.9
13°	1422.3	1305.6	1098.6	980.7	930.2
14°	1417.5	1283.9	1058.9	932.6	885.6
15°	1411.5	1261.1	1014.4	886.8	838.7
16°	1405.5	1234.6	974.7	839.9	789.4
17°	1399.4	1209.3	937.4	796.6	750.9
18°	1392.2	1184.0	894.1	754.5	709.9
19°	1382.6	1155.2	859.2	716.0	675.1
20°	1374.2	1128.7	819.4	679.9	643.8
21°	1364.5	1096.2	779.7	646.2	610.1
22.5°	1350.1	1050.5	729.2	604.1	570.4
23°	1342.9	1037.2	708.7	588.4	559.5
24°	1333.3	1002.3	675.1	564.3	535.5
25°	1318.8	974.7	646.2	542.7	519.8
26°	1305.6	941.0	617.3	523.4	500.6
27°	1292.3	908.5	592.0	503.0	483.7
28°	1275.5	874.8	564.3	486.1	469.3
29°	1257.4	843.5	541.5	471.7	458.5
30°	1239.4	808.6	522.2	458.5	447.6
32.5°	1188.9	731.6	472.9	433.2	426.0
35°	1128.7	659.4	438.0	410.3	407.9
37.5°	1061.3	593.2	406.7	392.3	394.7
40°	981.9	533.1	380.2	379.0	383.9
42.5°	897.7	481.3	359.8	368.2	375.4
45°	811.0	434.4	339.3	357.4	367.0
47.5°	720.8	393.5	321.3	344.1	355.0
50°	629.3	353.8	302.0	328.5	339.3
52.5°	547.5	318.9	282.8	310.5	322.5
55°	465.7	285.2	262.3	291.2	300.8
57.5°	394.7	253.9	240.7	269.5	276.8
60°	328.5	223.8	219.0	245.5	253.9
62.5°	268.3	197.3	198.5	223.8	232.2
65°	219.0	172.1	180.5	203.4	210.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	178.1	148.0	162.4	186.5	192.5
70°	140.8	126.3	148.0	169.7	175.7
72.5°	111.9	107.1	133.6	156.4	161.2
75°	85.4	89.0	121.5	143.2	149.2
77.5°	61.4	74.6	109.5	132.4	137.2
80°	43.3	61.4	99.9	122.7	127.5
82.5°	27.7	50.5	90.2	114.3	119.1
85°	14.4	40.9	81.8	105.9	110.7
87.5°	6.0	33.7	73.4	97.5	102.3
90°	0.0	27.7	66.2	90.2	93.9
92.5°	0.0	24.1	60.2	83.0	86.6
95°	0.0	20.5	55.4	75.8	79.4
97.5°	0.0	19.3	49.3	69.8	73.4
100°	0.0	16.8	44.5	63.8	68.6
102.5°	0.0	15.6	40.9	57.8	62.6
105°	0.0	14.4	37.3	52.9	57.8
107.5°	0.0	13.2	34.9	49.3	52.9
110°	0.0	13.2	31.3	45.7	49.3
112.5°	1.2	12.0	28.9	40.9	44.5
115°	1.2	12.0	26.5	38.5	40.9
117.5°	1.2	12.0	25.3	34.9	37.3
120°	1.2	10.8	24.1	32.5	34.9
122.5°	1.2	10.8	22.9	30.1	31.3
125°	1.2	9.6	21.7	27.7	30.1
127.5°	1.2	9.6	20.5	26.5	27.7
130°	1.2	9.6	19.3	24.1	26.5
132.5°	1.2	8.4	18.0	22.9	24.1
135°	1.2	8.4	16.8	21.7	22.9
137.5°	1.2	7.2	15.6	20.5	21.7
140°	1.2	7.2	14.4	19.3	20.5
142.5°	1.2	6.0	13.2	18.0	19.3
145°	1.2	6.0	12.0	16.8	18.0
147.5°	1.2	6.0	10.8	15.6	16.8
150°	1.2	4.8	9.6	14.4	15.6
152.5°	1.2	4.8	8.4	13.2	14.4
155°	1.2	4.8	8.4	12.0	13.2
157.5°	1.2	3.6	7.2	9.6	12.0
160°	1.2	3.6	6.0	8.4	10.8
162.5°	1.2	3.6	6.0	7.2	8.4
165°	1.2	2.4	4.8	6.0	7.2
167.5°	1.2	2.4	3.6	4.8	6.0
170°	1.2	2.4	3.6	3.6	4.8
172.5°	1.2	2.4	2.4	2.4	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)