

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: P565614

Luminaire Tested: **2SNX-25SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565614  
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-L930-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

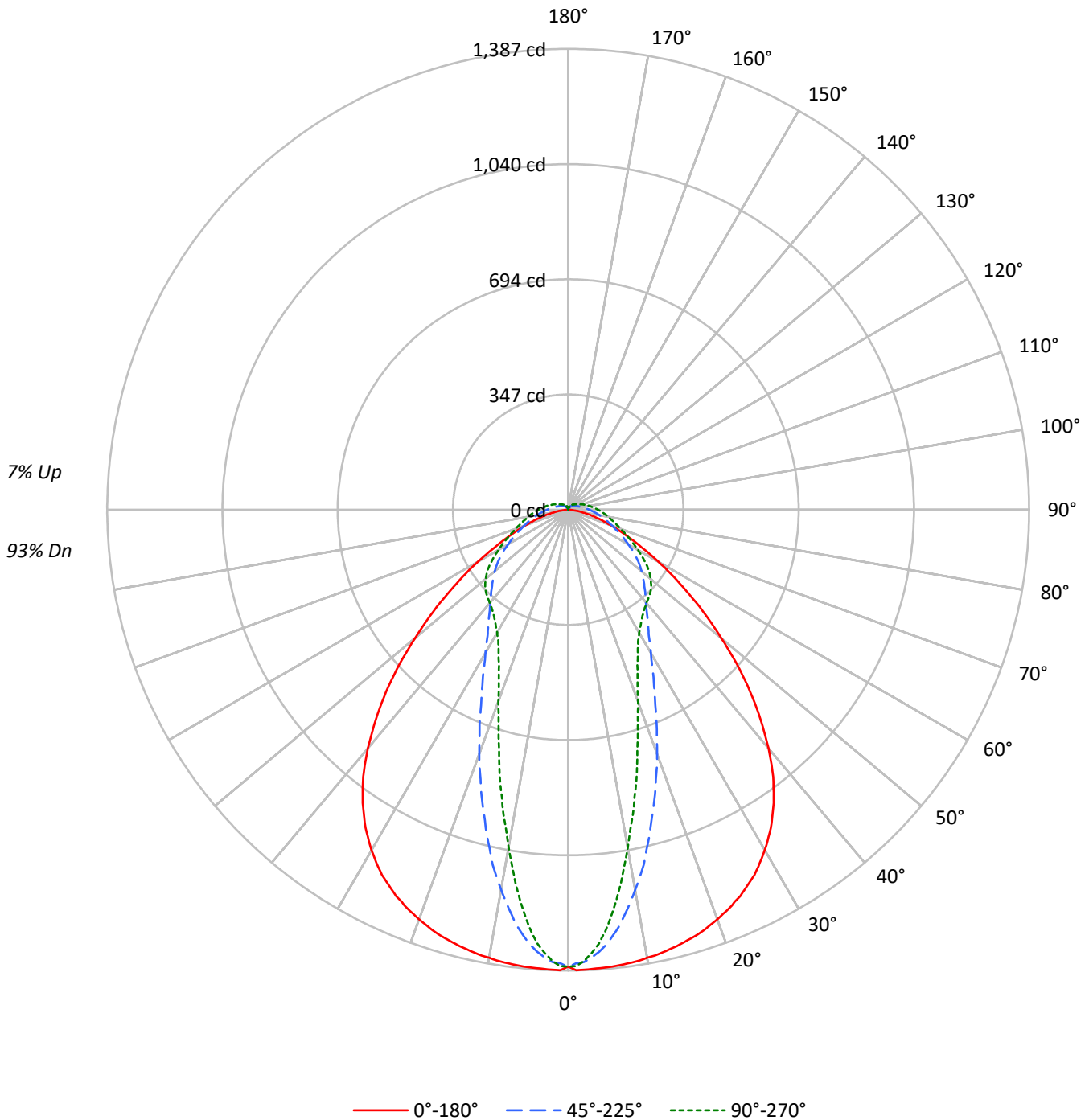
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2191.9 lumens  
Efficiency: N/A  
Efficacy: 125.3 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 (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	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°	29603	29603	29603
5°	29649	27141	26038
10°	29501	23217	20202
15°	29376	18898	15141
20°	29170	15022	11331
25°	28789	11748	8993
30°	28064	9489	7672
35°	26759	8014	6977
40°	24622	7060	6605
45°	21760	6446	6401
50°	18304	5916	6047
55°	14912	5348	5522
60°	11799	4693	4844
65°	9036	4106	4214
70°	6884	3620	3728
75°	5177	3239	3398
80°	3485	2948	3158
85°	1746	2732	3029



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.8	5.6
10°-20°	285.4	13.0
20°-30°	338.8	15.5
30°-40°	340.9	15.6
40°-50°	316.9	14.5
50°-60°	260.9	11.9
60°-70°	183.9	8.4
70°-80°	120.1	5.5
80°-90°	76.7	3.5
90°-100°	50.3	2.3
100°-110°	34.1	1.6
110°-120°	23.4	1.1
120°-130°	16.2	0.7
130°-140°	10.9	0.5
140°-150°	6.7	0.3
150°-160°	3.5	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	746.0	34.0
0°-40°	1086.9	49.6
0°-60°	1664.7	75.9
0°-90°	2045.4	93.3
90°-120°	107.8	4.9
90°-150°	141.6	6.5
90°-180°	147.0	6.7
0°-180°	2191.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1382	1364	1314	1289	1275	132
15°	1348	1204	968	847	801	381
25°	1259	930	617	518	496	579
35°	1078	630	418	392	389	670
45°	774	415	324	341	350	594
55°	445	272	250	278	287	402
65°	209	164	172	194	201	212
75°	82	85	116	137	142	88
85°	14	39	78	101	106	17
90°	0	26	63	86	90	1
95°	0	20	53	72	76	0
105°	0	14	36	50	55	0
115°	1	12	25	37	39	1
125°	1	9	21	26	29	1
135°	1	8	16	21	22	1
145°	1	6	12	16	17	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°	1375.1	1375.1	1375.1	1375.1	1375.1
1°	1386.6	1380.9	1365.9	1376.3	1374.0
2°	1385.4	1379.7	1362.5	1367.1	1359.0
3°	1384.3	1376.3	1349.8	1348.7	1337.2
4°	1383.1	1370.5	1333.8	1320.0	1310.8
5°	1382.0	1363.6	1314.2	1288.9	1275.2
6°	1380.9	1355.6	1288.9	1251.0	1231.5
7°	1378.6	1342.9	1262.5	1210.8	1185.6
8°	1376.3	1331.5	1229.2	1167.2	1136.2
9°	1374.0	1316.5	1195.9	1120.1	1083.3
10°	1369.4	1301.6	1161.4	1071.8	1032.8
11°	1367.1	1284.4	1128.1	1025.9	979.9
12°	1362.5	1266.0	1092.5	977.6	937.4
13°	1357.9	1246.4	1048.8	936.3	888.0
14°	1353.3	1225.8	1010.9	890.3	845.5
15°	1347.5	1203.9	968.4	846.7	800.7
16°	1341.8	1178.7	930.5	801.9	753.6
17°	1336.0	1154.5	894.9	760.5	716.8
18°	1329.2	1130.4	853.6	720.3	677.8
19°	1320.0	1102.8	820.2	683.5	644.5
20°	1311.9	1077.6	782.3	649.1	614.6
21°	1302.7	1046.6	744.4	616.9	582.4
22.5°	1288.9	1002.9	696.2	576.7	544.5
23°	1282.1	990.3	676.6	561.8	534.2
24°	1272.9	956.9	644.5	538.8	511.2
25°	1259.1	930.5	616.9	518.1	496.3
26°	1246.4	898.4	589.3	499.7	477.9
27°	1233.8	867.3	565.2	480.2	461.8
28°	1217.7	835.2	538.8	464.1	448.0
29°	1200.5	805.3	517.0	450.3	437.7
30°	1183.3	772.0	498.6	437.7	427.4
32.5°	1135.0	698.5	451.5	413.6	406.7
35°	1077.6	629.5	418.2	391.7	389.4
37.5°	1013.2	566.4	388.3	374.5	376.8
40°	937.4	508.9	363.0	361.9	366.5
42.5°	857.0	459.5	343.5	351.5	358.4
45°	774.3	414.7	324.0	341.2	350.4
47.5°	688.1	375.7	306.7	328.6	338.9
50°	600.8	337.7	288.3	313.6	324.0
52.5°	522.7	304.4	270.0	296.4	307.9
55°	444.6	272.3	250.4	278.0	287.2
57.5°	376.8	242.4	229.8	257.3	264.2
60°	313.6	213.7	209.1	234.4	242.4
62.5°	256.2	188.4	189.6	213.7	221.7
65°	209.1	164.3	172.3	194.1	201.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	170.0	141.3	155.1	178.1	183.8
70°	134.4	120.6	141.3	162.0	167.7
72.5°	106.8	102.2	127.5	149.3	153.9
75°	81.6	85.0	116.0	136.7	142.5
77.5°	58.6	71.2	104.5	126.4	131.0
80°	41.4	58.6	95.3	117.2	121.8
82.5°	26.4	48.2	86.2	109.1	113.7
85°	13.8	39.1	78.1	101.1	105.7
87.5°	5.7	32.2	70.1	93.1	97.6
90°	0.0	26.4	63.2	86.2	89.6
92.5°	0.0	23.0	57.4	79.3	82.7
95°	0.0	19.5	52.8	72.4	75.8
97.5°	0.0	18.4	47.1	66.6	70.1
100°	0.0	16.1	42.5	60.9	65.5
102.5°	0.0	14.9	39.1	55.1	59.7
105°	0.0	13.8	35.6	50.5	55.1
107.5°	0.0	12.6	33.3	47.1	50.5
110°	0.0	12.6	29.9	43.7	47.1
112.5°	1.1	11.5	27.6	39.1	42.5
115°	1.1	11.5	25.3	36.8	39.1
117.5°	1.1	11.5	24.1	33.3	35.6
120°	1.1	10.3	23.0	31.0	33.3
122.5°	1.1	10.3	21.8	28.7	29.9
125°	1.1	9.2	20.7	26.4	28.7
127.5°	1.1	9.2	19.5	25.3	26.4
130°	1.1	9.2	18.4	23.0	25.3
132.5°	1.1	8.0	17.2	21.8	23.0
135°	1.1	8.0	16.1	20.7	21.8
137.5°	1.1	6.9	14.9	19.5	20.7
140°	1.1	6.9	13.8	18.4	19.5
142.5°	1.1	5.7	12.6	17.2	18.4
145°	1.1	5.7	11.5	16.1	17.2
147.5°	1.1	5.7	10.3	14.9	16.1
150°	1.1	4.6	9.2	13.8	14.9
152.5°	1.1	4.6	8.0	12.6	13.8
155°	1.1	4.6	8.0	11.5	12.6
157.5°	1.1	3.4	6.9	9.2	11.5
160°	1.1	3.4	5.7	8.0	10.3
162.5°	1.1	3.4	5.7	6.9	8.0
165°	1.1	2.3	4.6	5.7	6.9
167.5°	1.1	2.3	3.4	4.6	5.7
170°	1.1	2.3	3.4	3.4	4.6
172.5°	1.1	2.3	2.3	2.3	2.3
175°	2.3	2.3	2.3	2.3	1.1
177.5°	2.3	2.3	2.3	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)