

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: P565611

Luminaire Tested: **2SNX-25SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565611  
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-L835-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

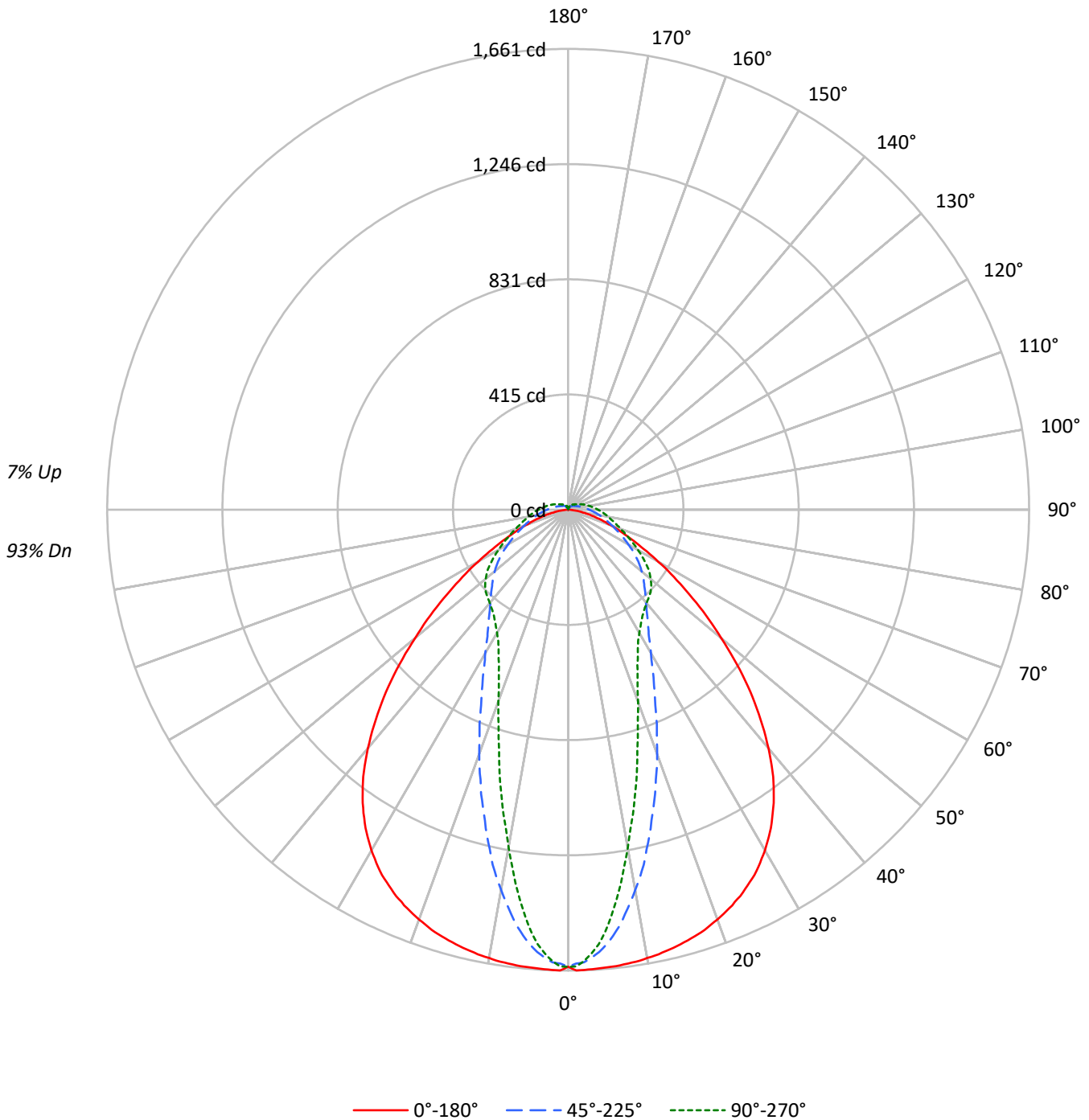
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2626.0 lumens  
Efficiency: N/A  
Efficacy: 150.1 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	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°	35465	35465	35465
5°	35519	32514	31192
10°	35342	27815	24200
15°	35192	22640	18138
20°	34947	17997	13574
25°	34489	14073	10772
30°	33619	11367	9190
35°	32055	9601	8358
40°	29497	8458	7911
45°	26068	7721	7668
50°	21929	7088	7243
55°	17864	6407	6616
60°	14136	5622	5803
65°	10826	4919	5048
70°	8246	4337	4466
75°	6199	3881	4071
80°	4167	3533	3783
85°	2087	3274	3628



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	5.6
10°-20°	342.0	13.0
20°-30°	405.9	15.5
30°-40°	408.4	15.6
40°-50°	379.6	14.5
50°-60°	312.6	11.9
60°-70°	220.3	8.4
70°-80°	143.9	5.5
80°-90°	91.9	3.5
90°-100°	60.2	2.3
100°-110°	40.9	1.6
110°-120°	28.0	1.1
120°-130°	19.4	0.7
130°-140°	13.0	0.5
140°-150°	8.0	0.3
150°-160°	4.2	0.2
160°-170°	1.5	0.1
170°-180°	0.3	0.0
0°-30°	893.7	34.0
0°-40°	1302.1	49.6
0°-60°	1994.3	75.9
0°-90°	2450.4	93.3
90°-120°	129.2	4.9
90°-150°	169.7	6.5
90°-180°	176.0	6.7
0°-180°	2626.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1656	1634	1574	1544	1528	158
15°	1614	1442	1160	1014	959	456
25°	1508	1115	739	621	594	694
35°	1291	754	501	469	466	803
45°	928	497	388	409	420	712
55°	533	326	300	333	344	481
65°	250	197	206	233	241	254
75°	98	102	139	164	171	106
85°	16	47	94	121	127	21
90°	0	32	76	103	107	1
95°	0	23	63	87	91	0
105°	0	16	43	61	66	0
115°	1	14	30	44	47	1
125°	1	11	25	32	34	1
135°	1	10	19	25	26	1
145°	1	7	14	19	21	1
155°	1	6	10	14	15	1
165°	1	3	6	7	8	0
175°	3	3	3	3	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1647.4	1647.4	1647.4	1647.4	1647.4
1°	1661.1	1654.2	1636.4	1648.7	1646.0
2°	1659.8	1652.9	1632.2	1637.7	1628.1
3°	1658.4	1648.7	1617.1	1615.7	1602.0
4°	1657.0	1641.9	1597.8	1581.3	1570.3
5°	1655.6	1633.6	1574.4	1544.1	1527.6
6°	1654.2	1624.0	1544.1	1498.7	1475.3
7°	1651.5	1608.8	1512.5	1450.6	1420.3
8°	1648.7	1595.1	1472.6	1398.3	1361.1
9°	1646.0	1577.2	1432.7	1341.8	1297.8
10°	1640.5	1559.3	1391.4	1284.0	1237.2
11°	1637.7	1538.6	1351.5	1229.0	1173.9
12°	1632.2	1516.6	1308.8	1171.2	1123.0
13°	1626.7	1493.2	1256.5	1121.6	1063.8
14°	1621.2	1468.5	1211.1	1066.6	1012.9
15°	1614.3	1442.3	1160.2	1014.3	959.2
16°	1607.5	1412.0	1114.8	960.6	902.8
17°	1600.6	1383.1	1072.1	911.1	858.8
18°	1592.3	1354.2	1022.6	862.9	812.0
19°	1581.3	1321.2	982.6	818.9	772.1
20°	1571.7	1290.9	937.2	777.6	736.3
21°	1560.7	1253.8	891.8	739.0	697.8
22.5°	1544.1	1201.5	834.0	690.9	652.3
23°	1535.9	1186.3	810.6	673.0	640.0
24°	1524.9	1146.4	772.1	645.5	612.4
25°	1508.4	1114.8	739.0	620.7	594.5
26°	1493.2	1076.2	706.0	598.7	572.5
27°	1478.1	1039.1	677.1	575.3	553.3
28°	1458.8	1000.5	645.5	556.0	536.7
29°	1438.2	964.7	619.3	539.5	524.4
30°	1417.5	924.8	597.3	524.4	512.0
32.5°	1359.7	836.8	540.9	495.4	487.2
35°	1290.9	754.2	501.0	469.3	466.5
37.5°	1213.9	678.5	465.2	448.7	451.4
40°	1123.0	609.7	434.9	433.5	439.0
42.5°	1026.7	550.5	411.5	421.1	429.4
45°	927.6	496.8	388.1	408.7	419.8
47.5°	824.4	450.0	367.5	393.6	406.0
50°	719.8	404.6	345.4	375.7	388.1
52.5°	626.2	364.7	323.4	355.1	368.8
55°	532.6	326.2	300.0	333.1	344.1
57.5°	451.4	290.4	275.2	308.3	316.5
60°	375.7	256.0	250.5	280.8	290.4
62.5°	306.9	225.7	227.1	256.0	265.6
65°	250.5	196.8	206.4	232.6	240.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	203.7	169.3	185.8	213.3	220.2
70°	161.0	144.5	169.3	194.1	200.9
72.5°	128.0	122.5	152.8	178.9	184.4
75°	97.7	101.8	139.0	163.8	170.7
77.5°	70.2	85.3	125.2	151.4	156.9
80°	49.5	70.2	114.2	140.4	145.9
82.5°	31.7	57.8	103.2	130.7	136.2
85°	16.5	46.8	93.6	121.1	126.6
87.5°	6.9	38.5	84.0	111.5	117.0
90°	0.0	31.7	75.7	103.2	107.3
92.5°	0.0	27.5	68.8	95.0	99.1
95°	0.0	23.4	63.3	86.7	90.8
97.5°	0.0	22.0	56.4	79.8	84.0
100°	0.0	19.3	50.9	72.9	78.4
102.5°	0.0	17.9	46.8	66.1	71.6
105°	0.0	16.5	42.7	60.6	66.1
107.5°	0.0	15.1	39.9	56.4	60.6
110°	0.0	15.1	35.8	52.3	56.4
112.5°	1.4	13.8	33.0	46.8	50.9
115°	1.4	13.8	30.3	44.0	46.8
117.5°	1.4	13.8	28.9	39.9	42.7
120°	1.4	12.4	27.5	37.2	39.9
122.5°	1.4	12.4	26.1	34.4	35.8
125°	1.4	11.0	24.8	31.7	34.4
127.5°	1.4	11.0	23.4	30.3	31.7
130°	1.4	11.0	22.0	27.5	30.3
132.5°	1.4	9.6	20.6	26.1	27.5
135°	1.4	9.6	19.3	24.8	26.1
137.5°	1.4	8.3	17.9	23.4	24.8
140°	1.4	8.3	16.5	22.0	23.4
142.5°	1.4	6.9	15.1	20.6	22.0
145°	1.4	6.9	13.8	19.3	20.6
147.5°	1.4	6.9	12.4	17.9	19.3
150°	1.4	5.5	11.0	16.5	17.9
152.5°	1.4	5.5	9.6	15.1	16.5
155°	1.4	5.5	9.6	13.8	15.1
157.5°	1.4	4.1	8.3	11.0	13.8
160°	1.4	4.1	6.9	9.6	12.4
162.5°	1.4	4.1	6.9	8.3	9.6
165°	1.4	2.8	5.5	6.9	8.3
167.5°	1.4	2.8	4.1	5.5	6.9
170°	1.4	2.8	4.1	4.1	5.5
172.5°	1.4	2.8	2.8	2.8	2.8
175°	2.8	2.8	2.8	2.8	1.4
177.5°	2.8	2.8	2.8	1.4	1.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)