

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: P565615

Luminaire Tested: **2SNX-25SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565615
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-L935-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

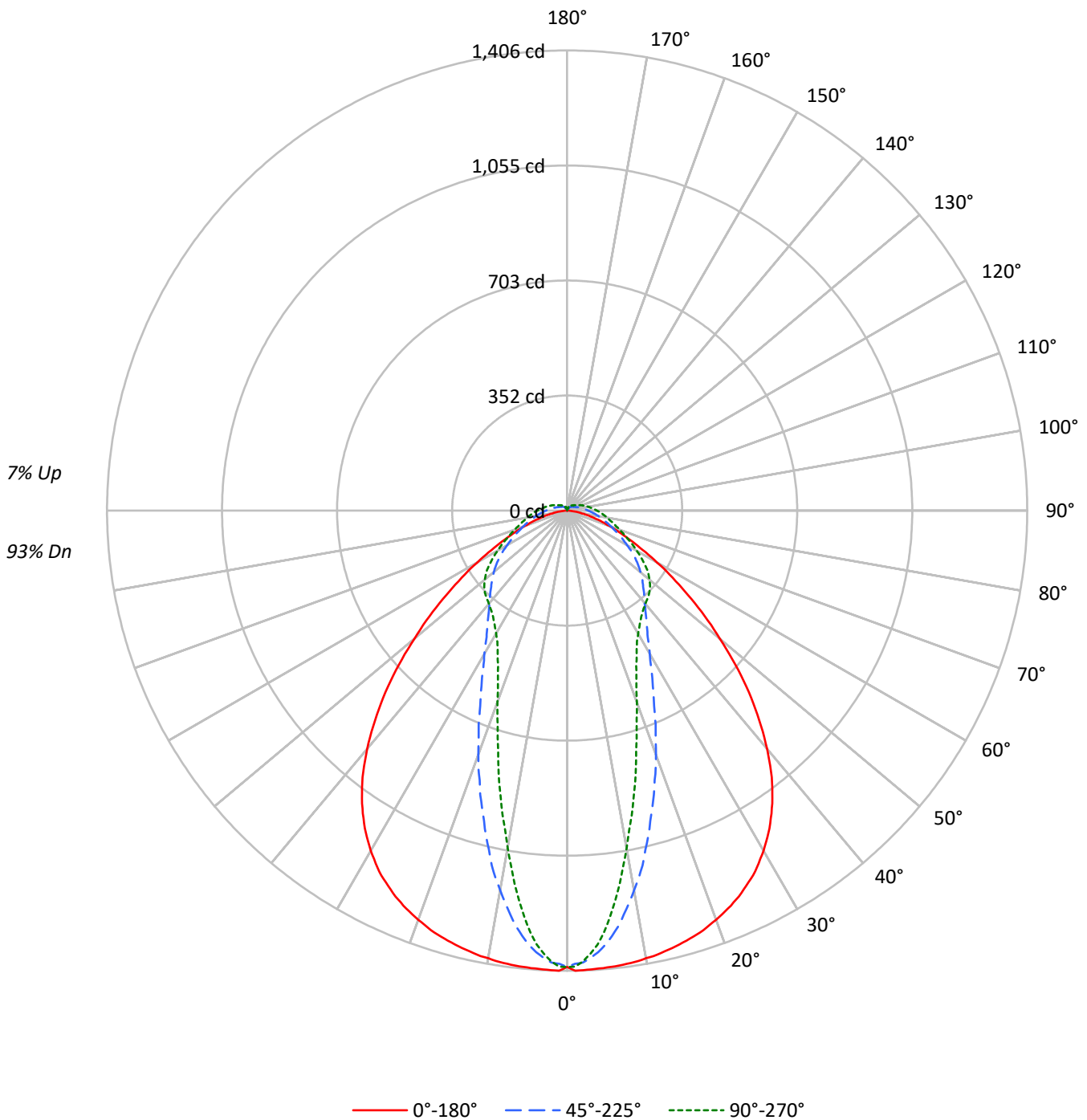
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2223.0 lumens
Efficiency: N/A
Efficacy: 127.0 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	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°	30023	30023	30023
5°	30067	27525	26406
10°	29917	23547	20488
15°	29793	19165	15354
20°	29584	15235	11491
25°	29196	11914	9120
30°	28461	9622	7779
35°	27136	8127	7075
40°	24971	7161	6697
45°	22066	6535	6490
50°	18563	6000	6131
55°	15124	5425	5601
60°	11968	4758	4912
65°	9162	4166	4275
70°	6981	3671	3781
75°	5247	3286	3446
80°	3527	2991	3202
85°	1771	2770	3072



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	5.6
10°-20°	289.5	13.0
20°-30°	343.6	15.5
30°-40°	345.7	15.6
40°-50°	321.4	14.5
50°-60°	264.6	11.9
60°-70°	186.5	8.4
70°-80°	121.8	5.5
80°-90°	77.8	3.5
90°-100°	51.0	2.3
100°-110°	34.6	1.6
110°-120°	23.8	1.1
120°-130°	16.4	0.7
130°-140°	11.1	0.5
140°-150°	6.8	0.3
150°-160°	3.5	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	756.6	34.0
0°-40°	1102.3	49.6
0°-60°	1688.3	75.9
0°-90°	2074.3	93.3
90°-120°	109.4	4.9
90°-150°	143.7	6.5
90°-180°	149.0	6.7
0°-180°	2223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1402	1383	1333	1307	1293	133
15°	1367	1221	982	859	812	386
25°	1277	944	626	525	503	588
35°	1093	638	424	397	395	680
45°	785	421	328	346	355	603
55°	451	276	254	282	291	407
65°	212	167	175	197	204	215
75°	83	86	118	139	144	89
85°	14	40	79	102	107	18
90°	0	27	64	87	91	1
95°	0	20	54	73	77	0
105°	0	14	36	51	56	0
115°	1	12	26	37	40	1
125°	1	9	21	27	29	1
135°	1	8	16	21	22	1
145°	1	6	12	16	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°	1394.6	1394.6	1394.6	1394.6	1394.6
1°	1406.2	1400.4	1385.2	1395.7	1393.4
2°	1405.0	1399.2	1381.7	1386.4	1378.2
3°	1403.9	1395.7	1368.9	1367.8	1356.1
4°	1402.7	1389.9	1352.6	1338.6	1329.3
5°	1401.5	1382.9	1332.8	1307.2	1293.2
6°	1400.4	1374.7	1307.2	1268.7	1248.9
7°	1398.0	1361.9	1280.4	1228.0	1202.3
8°	1395.7	1350.3	1246.6	1183.7	1152.2
9°	1393.4	1335.1	1212.8	1135.9	1098.6
10°	1388.7	1320.0	1177.9	1087.0	1047.4
11°	1386.4	1302.5	1144.1	1040.4	993.8
12°	1381.7	1283.9	1108.0	991.5	950.7
13°	1377.1	1264.1	1063.7	949.5	900.6
14°	1372.4	1243.1	1025.2	902.9	857.5
15°	1366.6	1221.0	982.1	858.6	812.0
16°	1360.8	1195.3	943.7	813.2	764.3
17°	1354.9	1170.9	907.6	771.3	727.0
18°	1348.0	1146.4	865.6	730.5	687.4
19°	1338.6	1118.4	831.8	693.2	653.6
20°	1330.5	1092.8	793.4	658.2	623.3
21°	1321.2	1061.4	754.9	625.6	590.7
22.5°	1307.2	1017.1	706.0	584.9	552.2
23°	1300.2	1004.3	686.2	569.7	541.7
24°	1290.9	970.5	653.6	546.4	518.4
25°	1276.9	943.7	625.6	525.4	503.3
26°	1264.1	911.1	597.7	506.8	484.7
27°	1251.3	879.6	573.2	487.0	468.3
28°	1234.9	847.0	546.4	470.7	454.4
29°	1217.5	816.7	524.3	456.7	443.9
30°	1200.0	782.9	505.6	443.9	433.4
32.5°	1151.1	708.3	457.9	419.4	412.4
35°	1092.8	638.4	424.1	397.3	394.9
37.5°	1027.6	574.4	393.8	379.8	382.1
40°	950.7	516.1	368.2	367.0	371.6
42.5°	869.1	466.0	348.3	356.5	363.5
45°	785.2	420.6	328.5	346.0	355.3
47.5°	697.9	381.0	311.1	333.2	343.7
50°	609.3	342.5	292.4	318.1	328.5
52.5°	530.1	308.7	273.8	300.6	312.2
55°	450.9	276.1	254.0	281.9	291.3
57.5°	382.1	245.8	233.0	261.0	268.0
60°	318.1	216.7	212.0	237.7	245.8
62.5°	259.8	191.1	192.2	216.7	224.9
65°	212.0	166.6	174.8	196.9	203.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	172.4	143.3	157.3	180.6	186.4
70°	136.3	122.3	143.3	164.3	170.1
72.5°	108.3	103.7	129.3	151.5	156.1
75°	82.7	86.2	117.7	138.6	144.5
77.5°	59.4	72.2	106.0	128.2	132.8
80°	41.9	59.4	96.7	118.8	123.5
82.5°	26.8	48.9	87.4	110.7	115.3
85°	14.0	39.6	79.2	102.5	107.2
87.5°	5.8	32.6	71.1	94.4	99.0
90°	0.0	26.8	64.1	87.4	90.9
92.5°	0.0	23.3	58.3	80.4	83.9
95°	0.0	19.8	53.6	73.4	76.9
97.5°	0.0	18.6	47.8	67.6	71.1
100°	0.0	16.3	43.1	61.7	66.4
102.5°	0.0	15.1	39.6	55.9	60.6
105°	0.0	14.0	36.1	51.3	55.9
107.5°	0.0	12.8	33.8	47.8	51.3
110°	0.0	12.8	30.3	44.3	47.8
112.5°	1.2	11.7	28.0	39.6	43.1
115°	1.2	11.7	25.6	37.3	39.6
117.5°	1.2	11.7	24.5	33.8	36.1
120°	1.2	10.5	23.3	31.5	33.8
122.5°	1.2	10.5	22.1	29.1	30.3
125°	1.2	9.3	21.0	26.8	29.1
127.5°	1.2	9.3	19.8	25.6	26.8
130°	1.2	9.3	18.6	23.3	25.6
132.5°	1.2	8.2	17.5	22.1	23.3
135°	1.2	8.2	16.3	21.0	22.1
137.5°	1.2	7.0	15.1	19.8	21.0
140°	1.2	7.0	14.0	18.6	19.8
142.5°	1.2	5.8	12.8	17.5	18.6
145°	1.2	5.8	11.7	16.3	17.5
147.5°	1.2	5.8	10.5	15.1	16.3
150°	1.2	4.7	9.3	14.0	15.1
152.5°	1.2	4.7	8.2	12.8	14.0
155°	1.2	4.7	8.2	11.7	12.8
157.5°	1.2	3.5	7.0	9.3	11.7
160°	1.2	3.5	5.8	8.2	10.5
162.5°	1.2	3.5	5.8	7.0	8.2
165°	1.2	2.3	4.7	5.8	7.0
167.5°	1.2	2.3	3.5	4.7	5.8
170°	1.2	2.3	3.5	3.5	4.7
172.5°	1.2	2.3	2.3	2.3	2.3
175°	2.3	2.3	2.3	2.3	1.2
177.5°	2.3	2.3	2.3	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)