

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: P566107

Luminaire Tested: **4SNX-20SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566107
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: 4SNX-20SL-LN-UNV-L935-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

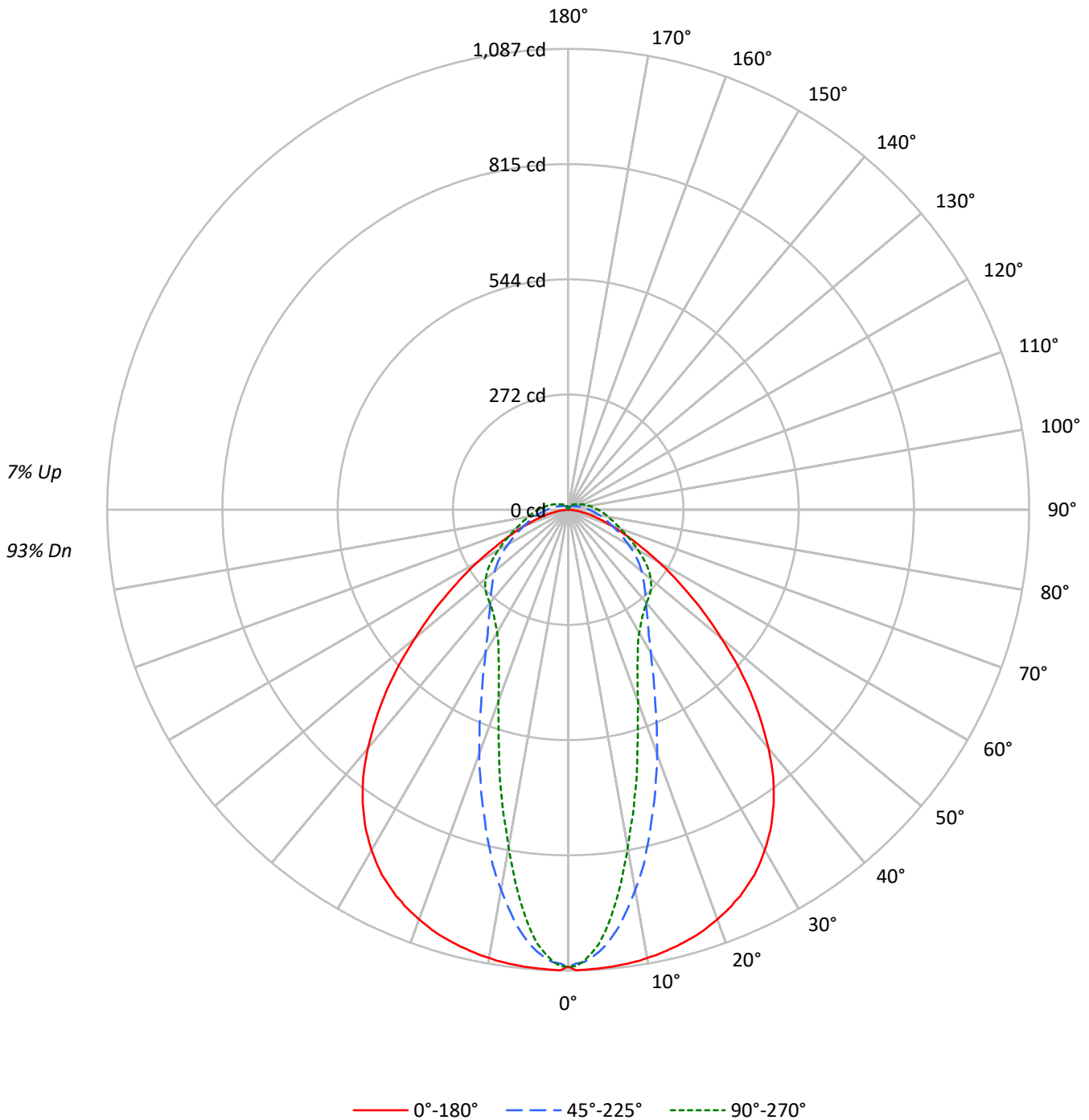
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1717.9 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 12.1
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

TEST NUMBER: P566107
CATALOG NUMBER: 4SNX-20SL-LN-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566107

CATALOG NUMBER: 4SNX-20SL-LN-UNV-L935-CD

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°	11601	11601	11601
5°	11661	10662	10203
10°	11646	9142	7916
15°	11639	7457	5934
20°	11602	5941	4440
25°	11497	4655	3524
30°	11256	3768	3006
35°	10784	3188	2734
40°	9975	2815	2588
45°	8869	2575	2508
50°	7512	2370	2369
55°	6171	2148	2164
60°	4935	1889	1898
65°	3832	1659	1652
70°	2974	1466	1462
75°	2300	1318	1331
80°	1624	1206	1237
85°	904	1124	1186



TEST NUMBER: P566107

CATALOG NUMBER: 4SNX-20SL-LN-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	5.6
10°-20°	223.7	13.0
20°-30°	265.6	15.5
30°-40°	267.2	15.6
40°-50°	248.3	14.5
50°-60°	204.5	11.9
60°-70°	144.1	8.4
70°-80°	94.1	5.5
80°-90°	60.1	3.5
90°-100°	39.4	2.3
100°-110°	26.8	1.6
110°-120°	18.3	1.1
120°-130°	12.7	0.7
130°-140°	8.5	0.5
140°-150°	5.3	0.3
150°-160°	2.7	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	584.7	34.0
0°-40°	851.9	49.6
0°-60°	1304.7	75.9
0°-90°	1603.1	93.3
90°-120°	84.5	4.9
90°-150°	111.0	6.5
90°-180°	115.0	6.7
0°-180°	1717.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1078	1078	1078	1078	1078	
5°	1083	1069	1030	1010	999	103
15°	1056	944	759	664	628	298
25°	987	729	484	406	389	454
35°	845	493	328	307	305	525
45°	607	325	254	267	275	466
55°	348	213	196	218	225	315
65°	164	129	135	152	158	166
75°	64	67	91	107	112	69
85°	11	31	61	79	83	14
90°	0	21	50	68	70	1
95°	0	15	41	57	59	0
105°	0	11	28	40	43	0
115°	1	9	20	29	31	1
125°	1	7	16	21	22	1
135°	1	6	13	16	17	1
145°	1	4	9	13	14	1
155°	1	4	6	9	10	0
165°	1	2	4	4	5	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566107

CATALOG NUMBER: 4SNX-20SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1077.8	1077.8	1077.8	1077.8	1077.8
1°	1086.8	1082.3	1070.5	1078.7	1076.9
2°	1085.9	1081.4	1067.8	1071.5	1065.1
3°	1085.0	1078.7	1057.9	1057.0	1048.0
4°	1084.1	1074.2	1045.3	1034.5	1027.3
5°	1083.2	1068.7	1030.0	1010.2	999.4
6°	1082.3	1062.4	1010.2	980.5	965.2
7°	1080.5	1052.5	989.5	949.0	929.2
8°	1078.7	1043.5	963.4	914.8	890.5
9°	1076.9	1031.8	937.3	877.9	849.1
10°	1073.3	1020.1	910.3	840.1	809.4
11°	1071.5	1006.6	884.2	804.0	768.0
12°	1067.8	992.2	856.3	766.2	734.7
13°	1064.2	976.9	822.0	733.8	696.0
14°	1060.6	960.7	792.3	697.8	662.7
15°	1056.1	943.6	759.0	663.6	627.6
16°	1051.6	923.8	729.3	628.5	590.6
17°	1047.1	904.9	701.4	596.1	561.8
18°	1041.7	886.0	669.0	564.5	531.2
19°	1034.5	864.4	642.9	535.7	505.1
20°	1028.2	844.6	613.2	508.7	481.7
21°	1021.0	820.2	583.4	483.5	456.5
22.5°	1010.2	786.0	545.6	452.0	426.8
23°	1004.8	776.1	530.3	440.3	418.7
24°	997.6	750.0	505.1	422.3	400.7
25°	986.8	729.3	483.5	406.1	389.0
26°	976.9	704.1	461.9	391.7	374.6
27°	967.0	679.8	443.0	376.4	362.0
28°	954.4	654.6	422.3	363.8	351.1
29°	940.9	631.2	405.2	352.9	343.0
30°	927.4	605.1	390.8	343.0	334.9
32.5°	889.6	547.4	353.8	324.1	318.7
35°	844.6	493.4	327.7	307.0	305.2
37.5°	794.1	443.9	304.3	293.5	295.3
40°	734.7	398.9	284.5	283.6	287.2
42.5°	671.7	360.2	269.2	275.5	280.9
45°	606.9	325.0	253.9	267.4	274.6
47.5°	539.3	294.4	240.4	257.5	265.6
50°	470.9	264.7	226.0	245.8	253.9
52.5°	409.7	238.6	211.6	232.3	241.3
55°	348.4	213.4	196.3	217.9	225.1
57.5°	295.3	190.0	180.1	201.7	207.1
60°	245.8	167.5	163.9	183.7	190.0
62.5°	200.8	147.7	148.6	167.5	173.8
65°	163.9	128.8	135.1	152.2	157.6



TEST NUMBER: P566107

CATALOG NUMBER: 4SNX-20SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	133.3	110.7	121.6	139.6	144.1
70°	105.3	94.5	110.7	127.0	131.5
72.5°	83.7	80.1	99.9	117.0	120.7
75°	63.9	66.6	90.9	107.1	111.6
77.5°	45.9	55.8	81.9	99.0	102.6
80°	32.4	45.9	74.7	91.8	95.4
82.5°	20.7	37.8	67.5	85.5	89.1
85°	10.8	30.6	61.2	79.2	82.8
87.5°	4.5	25.2	54.9	72.9	76.5
90°	0.0	20.7	49.5	67.5	70.2
92.5°	0.0	18.0	45.0	62.1	64.8
95°	0.0	15.3	41.4	56.7	59.4
97.5°	0.0	14.4	36.9	52.2	54.9
100°	0.0	12.6	33.3	47.7	51.3
102.5°	0.0	11.7	30.6	43.2	46.8
105°	0.0	10.8	27.9	39.6	43.2
107.5°	0.0	9.9	26.1	36.9	39.6
110°	0.0	9.9	23.4	34.2	36.9
112.5°	0.9	9.0	21.6	30.6	33.3
115°	0.9	9.0	19.8	28.8	30.6
117.5°	0.9	9.0	18.9	26.1	27.9
120°	0.9	8.1	18.0	24.3	26.1
122.5°	0.9	8.1	17.1	22.5	23.4
125°	0.9	7.2	16.2	20.7	22.5
127.5°	0.9	7.2	15.3	19.8	20.7
130°	0.9	7.2	14.4	18.0	19.8
132.5°	0.9	6.3	13.5	17.1	18.0
135°	0.9	6.3	12.6	16.2	17.1
137.5°	0.9	5.4	11.7	15.3	16.2
140°	0.9	5.4	10.8	14.4	15.3
142.5°	0.9	4.5	9.9	13.5	14.4
145°	0.9	4.5	9.0	12.6	13.5
147.5°	0.9	4.5	8.1	11.7	12.6
150°	0.9	3.6	7.2	10.8	11.7
152.5°	0.9	3.6	6.3	9.9	10.8
155°	0.9	3.6	6.3	9.0	9.9
157.5°	0.9	2.7	5.4	7.2	9.0
160°	0.9	2.7	4.5	6.3	8.1
162.5°	0.9	2.7	4.5	5.4	6.3
165°	0.9	1.8	3.6	4.5	5.4
167.5°	0.9	1.8	2.7	3.6	4.5
170°	0.9	1.8	2.7	2.7	3.6
172.5°	0.9	1.8	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	0.9	0.9



TEST NUMBER: P566107

CATALOG NUMBER: 4SNX-20SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)