

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: P566098

Luminaire Tested: **4SNX-20SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-20SL-LC-UNV-L930-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

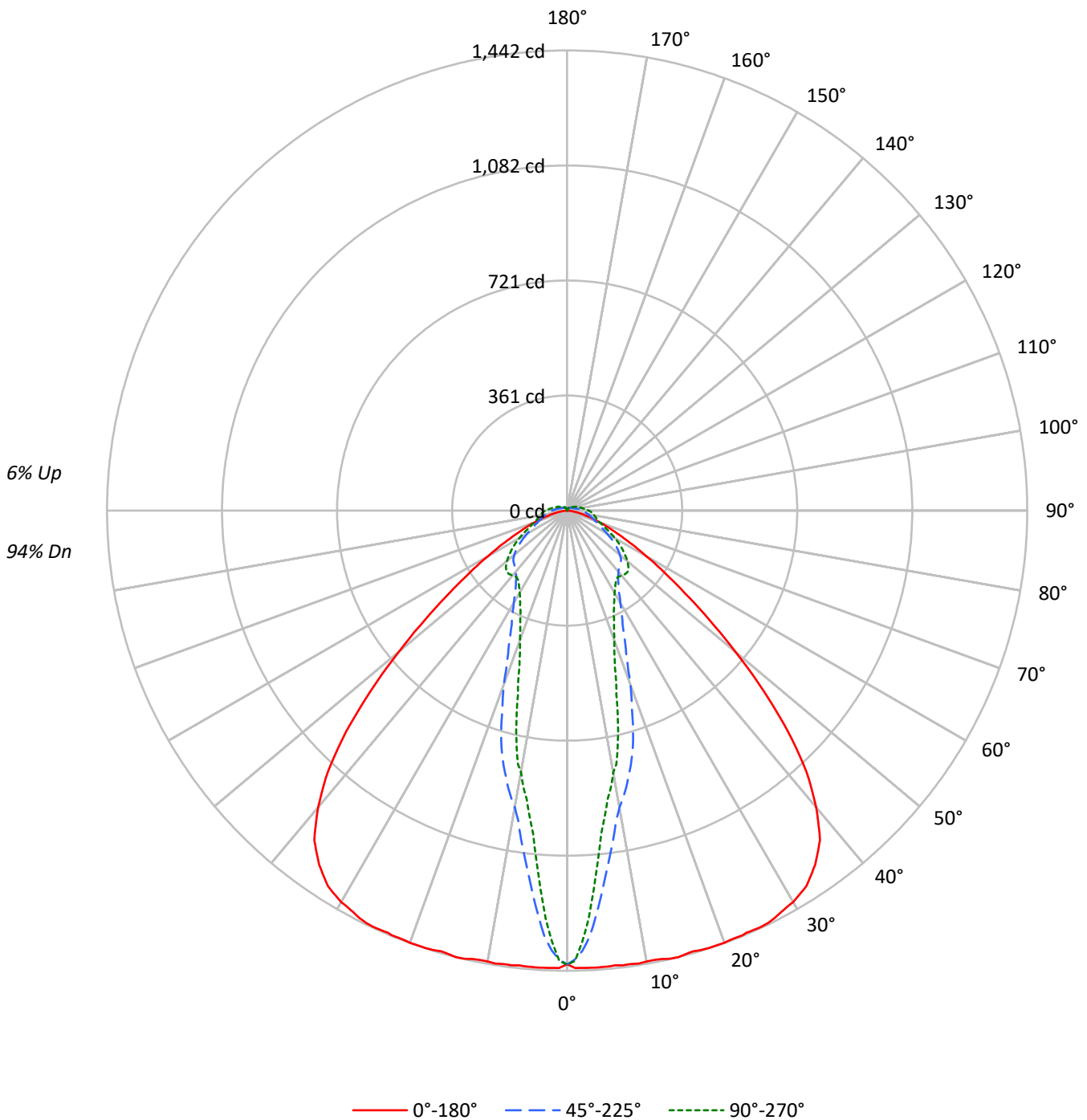
Lumens per Lamp: N/A
Luminaire Lumens: 1753.1 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 12.1
Input Voltage (V): NR
Input Current (A_{in}): 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: P566098

CATALOG NUMBER: 4SNX-20SL-LC-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566098

CATALOG NUMBER: 4SNX-20SL-LC-UNV-L930-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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15307	15307	15307
5°	15446	12573	11254
10°	15567	9492	8145
15°	15851	7759	5640
20°	16260	5613	3983
25°	16767	4022	3134
30°	17195	3213	2669
35°	17297	2718	2390
40°	16490	2470	2396
45°	14310	2388	2461
50°	10979	2270	2297
55°	7956	1986	2038
60°	5773	1656	1723
65°	4201	1401	1413
70°	3095	1237	1218
75°	2199	1147	1135
80°	1439	1073	1118
85°	678	1023	1120



TEST NUMBER: P566098

CATALOG NUMBER: 4SNX-20SL-LC-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	6.4
10°-20°	242.9	13.9
20°-30°	278.0	15.9
30°-40°	278.5	15.9
40°-50°	263.6	15.0
50°-60°	202.2	11.5
60°-70°	130.3	7.4
70°-80°	83.1	4.7
80°-90°	55.2	3.1
90°-100°	37.1	2.1
100°-110°	24.4	1.4
110°-120°	17.0	1.0
120°-130°	11.9	0.7
130°-140°	8.3	0.5
140°-150°	5.0	0.3
150°-160°	2.6	0.1
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	632.7	36.1
0°-40°	911.2	52.0
0°-60°	1377.0	78.5
0°-90°	1645.6	93.9
90°-120°	78.5	4.5
90°-150°	103.7	5.9
90°-180°	107.0	6.1
0°-180°	1753.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1435	1356	1215	1133	1102	137
15°	1438	1036	790	649	596	408
25°	1439	733	418	363	346	663
35°	1355	408	279	270	267	841
45°	979	258	235	260	270	745
55°	449	184	182	204	212	413
65°	180	116	114	130	135	185
75°	61	63	79	91	95	67
85°	8	29	56	73	78	11
90°	0	20	47	65	67	0
95°	0	14	39	53	56	0
105°	0	11	25	36	39	1
115°	1	9	19	26	28	1
125°	1	8	16	19	20	1
135°	1	6	13	15	16	1
145°	1	4	9	12	13	1
155°	1	3	5	8	9	0
165°	2	2	4	4	5	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P566098

CATALOG NUMBER: 4SNX-20SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422.1	1422.1	1422.1	1422.1	1422.1
1°	1433.8	1425.7	1406.8	1412.2	1411.3
2°	1433.8	1416.7	1379.9	1369.1	1352.9
3°	1434.7	1401.5	1338.6	1303.5	1281.1
4°	1434.7	1379.0	1277.5	1219.1	1190.3
5°	1434.7	1355.6	1214.6	1132.8	1102.3
6°	1432.9	1327.8	1150.8	1064.6	1018.8
7°	1435.6	1297.2	1093.3	1000.8	964.8
8°	1434.7	1261.3	1040.3	952.3	912.7
9°	1437.4	1226.3	982.8	906.5	876.8
10°	1434.7	1193.9	945.1	863.3	832.8
11°	1434.7	1162.5	918.1	835.5	809.4
12°	1436.5	1126.6	888.5	796.0	760.0
13°	1441.0	1089.7	854.3	752.8	710.6
14°	1441.9	1061.9	822.9	698.0	654.0
15°	1438.3	1035.8	789.7	648.6	596.5
16°	1436.5	1008.9	750.1	601.9	555.2
17°	1440.1	977.4	705.2	554.3	511.2
18°	1441.0	948.7	657.6	518.4	480.6
19°	1441.0	926.2	619.0	485.1	452.8
20°	1441.0	904.7	579.4	460.0	432.1
21°	1439.2	877.7	534.5	433.9	410.6
22.5°	1440.1	827.4	483.3	403.4	384.5
23°	1437.4	814.8	470.7	395.3	375.5
24°	1438.3	778.9	443.8	379.1	360.2
25°	1439.2	733.1	417.7	362.9	345.9
26°	1437.4	696.2	396.2	347.7	336.0
27°	1432.9	666.6	380.9	335.1	324.3
28°	1426.6	627.1	364.7	324.3	314.4
29°	1420.3	582.1	348.6	312.6	305.4
30°	1416.7	546.2	333.3	303.6	297.4
32.5°	1395.2	475.2	301.9	285.7	280.3
35°	1354.7	407.9	279.4	270.4	266.8
37.5°	1301.7	355.8	262.3	260.5	261.4
40°	1214.6	314.4	249.7	257.8	265.9
42.5°	1110.4	282.1	240.8	260.5	269.5
45°	979.2	257.8	235.4	260.5	269.5
47.5°	833.7	238.1	229.1	251.5	260.5
50°	688.2	220.1	216.5	238.1	246.2
52.5°	559.7	203.0	200.3	221.0	229.1
55°	449.2	184.2	181.5	203.9	212.0
57.5°	360.2	166.2	163.5	184.2	192.3
60°	287.5	148.2	143.7	164.4	172.5
62.5°	229.1	131.2	128.5	146.4	153.6
65°	179.7	115.9	114.1	130.3	134.8



TEST NUMBER: P566098

CATALOG NUMBER: 4SNX-20SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	141.9	101.5	102.4	115.9	121.3
70°	109.6	88.0	93.4	106.0	109.6
72.5°	82.6	74.6	86.2	97.0	101.5
75°	61.1	62.9	79.1	90.7	95.2
77.5°	42.2	52.1	72.8	85.3	89.8
80°	28.7	42.2	66.5	80.9	86.2
82.5°	17.1	35.0	61.1	76.4	82.6
85°	8.1	28.7	55.7	72.8	78.2
87.5°	2.7	23.4	50.3	69.2	73.7
90°	0.0	19.8	46.7	64.7	67.4
92.5°	0.0	17.1	42.2	59.3	61.1
95°	0.0	14.4	38.6	53.0	55.7
97.5°	0.0	13.5	35.9	47.6	51.2
100°	0.0	12.6	32.3	43.1	46.7
102.5°	0.0	10.8	28.7	38.6	42.2
105°	0.0	10.8	25.2	35.9	38.6
107.5°	0.9	9.9	23.4	32.3	35.9
110°	0.9	9.9	20.7	30.5	33.2
112.5°	0.9	9.9	19.8	27.8	31.4
115°	0.9	9.0	18.9	26.1	27.8
117.5°	0.9	9.0	18.0	23.4	25.2
120°	0.9	8.1	17.1	21.6	22.5
122.5°	0.9	8.1	16.2	19.8	20.7
125°	0.9	8.1	16.2	18.9	19.8
127.5°	0.9	7.2	15.3	18.0	18.0
130°	0.9	7.2	14.4	17.1	17.1
132.5°	0.9	6.3	13.5	16.2	17.1
135°	0.9	6.3	12.6	15.3	16.2
137.5°	0.9	5.4	11.7	14.4	15.3
140°	0.9	5.4	10.8	13.5	14.4
142.5°	0.9	4.5	9.9	12.6	13.5
145°	0.9	4.5	9.0	11.7	12.6
147.5°	0.9	4.5	8.1	10.8	11.7
150°	0.9	3.6	7.2	9.9	10.8
152.5°	0.9	3.6	6.3	9.0	9.9
155°	0.9	2.7	5.4	8.1	9.0
157.5°	0.9	2.7	5.4	7.2	8.1
160°	1.8	2.7	4.5	6.3	7.2
162.5°	0.9	1.8	4.5	5.4	6.3
165°	1.8	1.8	3.6	4.5	5.4
167.5°	1.8	1.8	2.7	3.6	4.5
170°	1.8	1.8	2.7	2.7	3.6
172.5°	1.8	1.8	1.8	2.7	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	1.8	0.9



TEST NUMBER: P566098

CATALOG NUMBER: 4SNX-20SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)