

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: P566154

Luminaire Tested: **4SNX-22SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566154
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-22SL-LN-UNV-L930-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

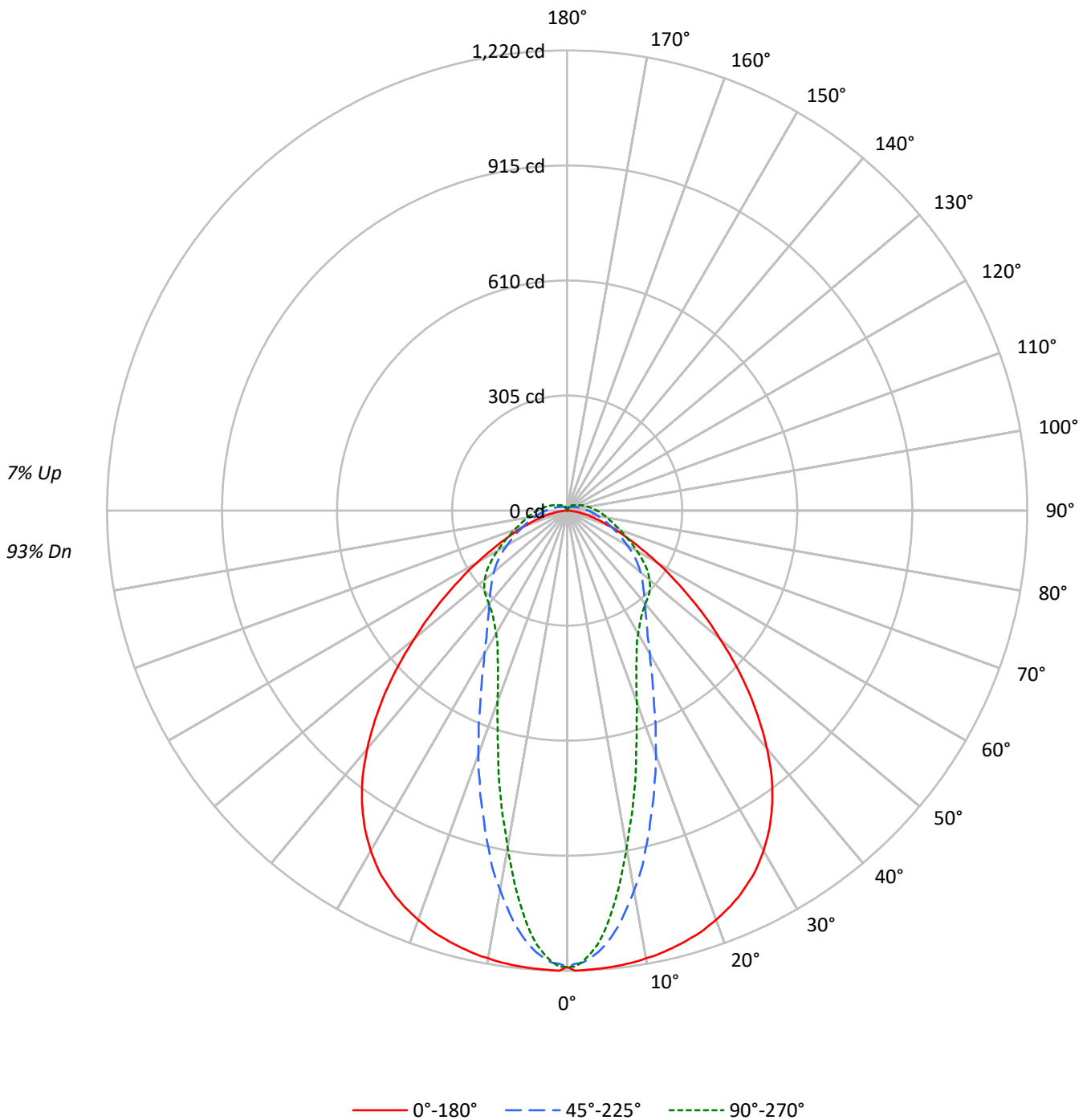
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1929.0 lumens
Efficiency: N/A
Efficacy: 139.8 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): 13.8
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: P566154
CATALOG NUMBER: 4SNX-22SL-LN-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566154

CATALOG NUMBER: 4SNX-22SL-LN-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	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°	13025	13025	13025
5°	13093	11971	11457
10°	13076	10265	8889
15°	13069	8373	6662
20°	13027	6671	4986
25°	12909	5227	3957
30°	12638	4231	3375
35°	12108	3580	3070
40°	11199	3161	2906
45°	9958	2892	2816
50°	8435	2661	2660
55°	6929	2411	2429
60°	5542	2121	2131
65°	4302	1862	1854
70°	3341	1646	1640
75°	2584	1480	1495
80°	1825	1354	1390
85°	1012	1262	1332



TEST NUMBER: P566154

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	5.6
10°-20°	251.2	13.0
20°-30°	298.2	15.5
30°-40°	300.0	15.6
40°-50°	278.9	14.5
50°-60°	229.6	11.9
60°-70°	161.8	8.4
70°-80°	105.7	5.5
80°-90°	67.5	3.5
90°-100°	44.3	2.3
100°-110°	30.0	1.6
110°-120°	20.6	1.1
120°-130°	14.3	0.7
130°-140°	9.6	0.5
140°-150°	5.9	0.3
150°-160°	3.1	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	656.5	34.0
0°-40°	956.5	49.6
0°-60°	1465.0	75.9
0°-90°	1800.0	93.3
90°-120°	94.9	4.9
90°-150°	124.6	6.5
90°-180°	129.0	6.7
0°-180°	1929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1216	1200	1156	1134	1122	116
15°	1186	1060	852	745	705	335
25°	1108	819	543	456	437	510
35°	948	554	368	345	343	590
45°	681	365	285	300	308	523
55°	391	240	220	245	253	353
65°	184	145	152	171	177	187
75°	72	75	102	120	125	78
85°	12	34	69	89	93	15
90°	0	23	56	76	79	1
95°	0	17	46	64	67	0
105°	0	12	31	44	48	0
115°	1	10	22	32	34	1
125°	1	8	18	23	25	1
135°	1	7	14	18	19	1
145°	1	5	10	14	15	1
155°	1	4	7	10	11	0
165°	1	2	4	5	6	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566154

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1210.1	1210.1	1210.1	1210.1	1210.1
1°	1220.2	1215.2	1202.0	1211.1	1209.1
2°	1219.2	1214.2	1199.0	1203.0	1196.0
3°	1218.2	1211.1	1187.9	1186.9	1176.8
4°	1217.2	1206.1	1173.7	1161.6	1153.5
5°	1216.2	1200.0	1156.5	1134.3	1122.2
6°	1215.2	1192.9	1134.3	1100.9	1083.7
7°	1213.2	1181.8	1111.0	1065.6	1043.3
8°	1211.1	1171.7	1081.7	1027.1	999.8
9°	1209.1	1158.6	1052.4	985.7	953.3
10°	1205.1	1145.4	1022.1	943.2	908.9
11°	1203.0	1130.3	992.8	902.8	862.3
12°	1199.0	1114.1	961.4	860.3	824.9
13°	1195.0	1096.9	923.0	823.9	781.5
14°	1190.9	1078.7	889.6	783.5	744.1
15°	1185.9	1059.5	852.2	745.1	704.6
16°	1180.8	1037.2	818.9	705.7	663.2
17°	1175.7	1016.0	787.5	669.3	630.8
18°	1169.7	994.8	751.1	633.9	596.5
19°	1161.6	970.5	721.8	601.5	567.1
20°	1154.5	948.3	688.5	571.2	540.9
21°	1146.4	921.0	655.1	542.9	512.6
22.5°	1134.3	882.6	612.6	507.5	479.2
23°	1128.2	871.4	595.5	494.4	470.1
24°	1120.1	842.1	567.1	474.1	449.9
25°	1108.0	818.9	542.9	455.9	436.7
26°	1096.9	790.6	518.6	439.8	420.6
27°	1085.8	763.3	497.4	422.6	406.4
28°	1071.6	735.0	474.1	408.4	394.3
29°	1056.5	708.7	454.9	396.3	385.2
30°	1041.3	679.4	438.8	385.2	376.1
32.5°	998.8	614.7	397.3	363.9	357.9
35°	948.3	554.0	368.0	344.7	342.7
37.5°	891.7	498.4	341.7	329.6	331.6
40°	824.9	447.9	319.5	318.5	322.5
42.5°	754.2	404.4	302.3	309.4	315.4
45°	681.4	365.0	285.1	300.3	308.3
47.5°	605.6	330.6	269.9	289.1	298.2
50°	528.7	297.2	253.8	276.0	285.1
52.5°	460.0	267.9	237.6	260.8	270.9
55°	391.2	239.6	220.4	244.7	252.7
57.5°	331.6	213.3	202.2	226.5	232.5
60°	276.0	188.0	184.0	206.2	213.3
62.5°	225.4	165.8	166.8	188.0	195.1
65°	184.0	144.6	151.6	170.9	176.9



TEST NUMBER: P566154

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	149.6	124.3	136.5	156.7	161.8
70°	118.3	106.2	124.3	142.5	147.6
72.5°	94.0	90.0	112.2	131.4	135.5
75°	71.8	74.8	102.1	120.3	125.4
77.5°	51.6	62.7	92.0	111.2	115.2
80°	36.4	51.6	83.9	103.1	107.2
82.5°	23.3	42.5	75.8	96.0	100.1
85°	12.1	34.4	68.7	89.0	93.0
87.5°	5.1	28.3	61.7	81.9	85.9
90°	0.0	23.3	55.6	75.8	78.9
92.5°	0.0	20.2	50.5	69.8	72.8
95°	0.0	17.2	46.5	63.7	66.7
97.5°	0.0	16.2	41.4	58.6	61.7
100°	0.0	14.2	37.4	53.6	57.6
102.5°	0.0	13.1	34.4	48.5	52.6
105°	0.0	12.1	31.3	44.5	48.5
107.5°	0.0	11.1	29.3	41.4	44.5
110°	0.0	11.1	26.3	38.4	41.4
112.5°	1.0	10.1	24.3	34.4	37.4
115°	1.0	10.1	22.2	32.4	34.4
117.5°	1.0	10.1	21.2	29.3	31.3
120°	1.0	9.1	20.2	27.3	29.3
122.5°	1.0	9.1	19.2	25.3	26.3
125°	1.0	8.1	18.2	23.3	25.3
127.5°	1.0	8.1	17.2	22.2	23.3
130°	1.0	8.1	16.2	20.2	22.2
132.5°	1.0	7.1	15.2	19.2	20.2
135°	1.0	7.1	14.2	18.2	19.2
137.5°	1.0	6.1	13.1	17.2	18.2
140°	1.0	6.1	12.1	16.2	17.2
142.5°	1.0	5.1	11.1	15.2	16.2
145°	1.0	5.1	10.1	14.2	15.2
147.5°	1.0	5.1	9.1	13.1	14.2
150°	1.0	4.0	8.1	12.1	13.1
152.5°	1.0	4.0	7.1	11.1	12.1
155°	1.0	4.0	7.1	10.1	11.1
157.5°	1.0	3.0	6.1	8.1	10.1
160°	1.0	3.0	5.1	7.1	9.1
162.5°	1.0	3.0	5.1	6.1	7.1
165°	1.0	2.0	4.0	5.1	6.1
167.5°	1.0	2.0	3.0	4.0	5.1
170°	1.0	2.0	3.0	3.0	4.0
172.5°	1.0	2.0	2.0	2.0	2.0
175°	2.0	2.0	2.0	2.0	1.0
177.5°	2.0	2.0	2.0	1.0	1.0



TEST NUMBER: P566154

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)