

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: P566172

Luminaire Tested: **4SNX-22SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-SLW-UNV-L940-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

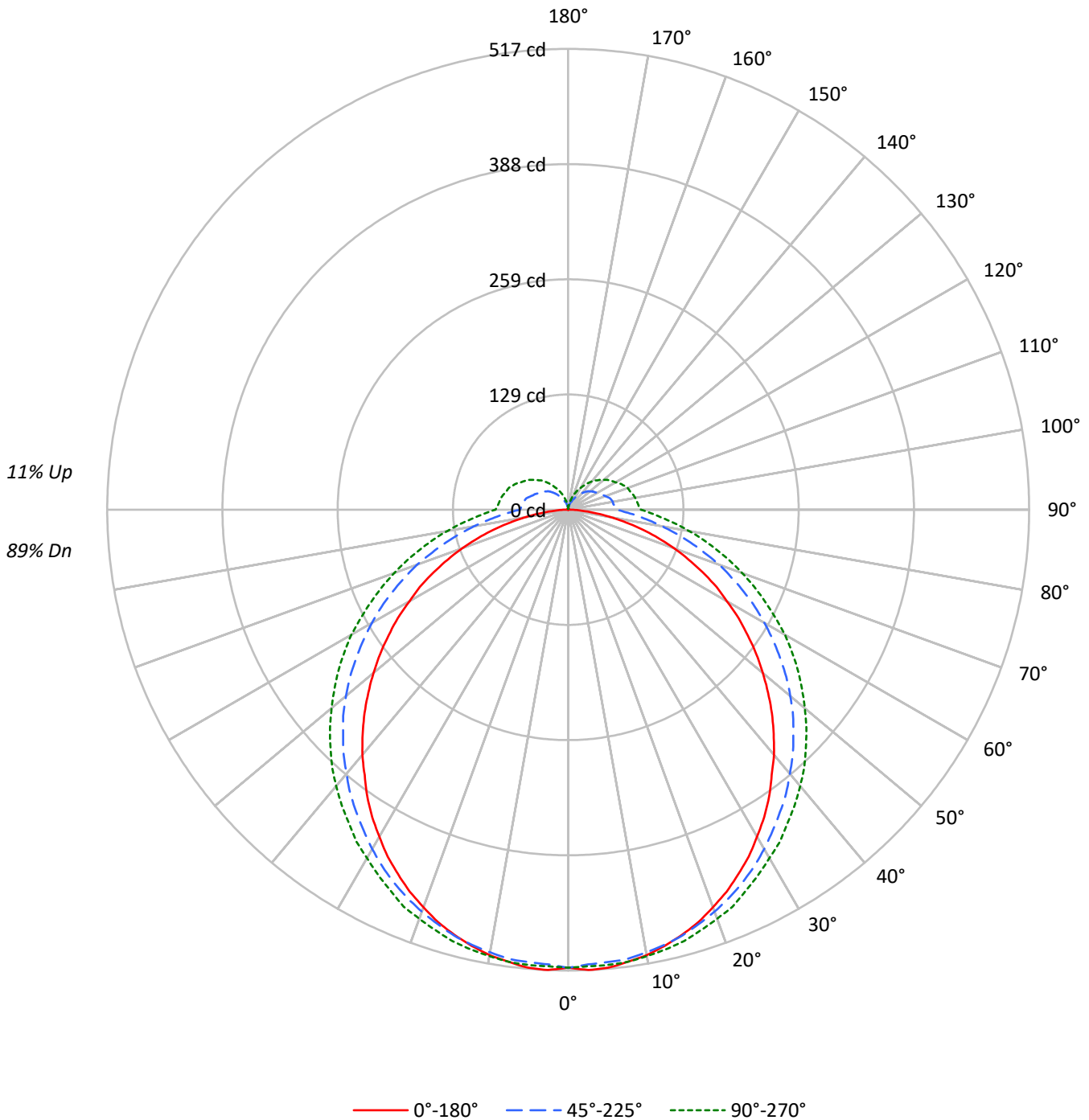
Lumens per Lamp: N/A
Luminaire Lumens: 1829.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 13.8
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: P566172

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566172

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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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5530	5530	5530
5°	5564	5388	5383
10°	5526	5279	5251
15°	5470	5167	5128
20°	5396	5040	4990
25°	5309	4914	4848
30°	5204	4776	4707
35°	5090	4633	4574
40°	4959	4493	4448
45°	4818	4350	4310
50°	4657	4198	4156
55°	4480	4017	4005
60°	4270	3821	3837
65°	4055	3604	3624
70°	3755	3363	3417
75°	3354	3056	3187
80°	2701	2747	2961
85°	1907	2479	2728



TEST NUMBER: P566172

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	2.7
10°-20°	140.3	7.7
20°-30°	213.3	11.7
30°-40°	258.9	14.2
40°-50°	273.6	15.0
50°-60°	256.0	14.0
60°-70°	210.1	11.5
70°-80°	144.5	7.9
80°-90°	79.1	4.3
90°-100°	50.9	2.8
100°-110°	45.7	2.5
110°-120°	37.8	2.1
120°-130°	29.1	1.6
130°-140°	20.5	1.1
140°-150°	12.3	0.7
150°-160°	5.9	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	402.3	22.0
0°-40°	661.2	36.2
0°-60°	1190.8	65.1
0°-90°	1624.5	88.8
90°-120°	134.5	7.4
90°-150°	196.5	10.7
90°-180°	205.0	11.2
0°-180°	1829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	514	514	514	514	514	
5°	516	515	510	514	513	49
15°	494	496	495	501	501	139
25°	451	457	462	471	471	208
35°	393	402	414	426	429	245
45°	323	338	357	373	377	249
55°	246	266	290	308	315	220
65°	166	189	217	237	244	165
75°	87	110	142	164	172	91
85°	19	46	77	98	106	22
90°	0	25	54	74	82	1
95°	0	24	52	71	78	0
105°	0	20	49	67	73	1
115°	1	18	41	59	67	1
125°	1	15	35	51	57	1
135°	1	12	29	41	47	1
145°	1	8	20	32	35	1
155°	1	5	13	20	23	1
165°	1	3	6	10	12	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566172

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	513.8	513.8	513.8	513.8	513.8
2.5°	516.9	515.9	510.6	514.8	512.7
5°	515.9	514.8	509.5	513.8	512.7
7.5°	511.7	511.7	508.5	512.7	511.7
10°	507.4	507.4	504.2	509.5	508.5
12.5°	501.1	502.1	500.0	506.4	505.3
15°	493.6	495.8	494.7	501.1	501.1
17.5°	485.2	487.3	487.3	494.7	494.7
20°	474.6	477.8	479.9	488.3	488.3
22.5°	464.0	468.2	471.4	478.8	482.0
25°	451.3	456.6	461.9	471.4	471.4
27.5°	438.6	444.9	451.3	460.8	461.9
30°	423.7	431.1	439.6	449.2	451.3
32.5°	408.9	418.4	426.9	438.6	441.7
35°	393.0	402.5	414.2	425.8	429.0
37.5°	375.0	386.7	401.5	414.2	417.4
40°	359.1	371.8	386.7	401.5	404.7
42.5°	341.1	354.9	372.9	386.7	391.9
45°	323.1	337.9	357.0	372.9	377.1
47.5°	304.0	321.0	342.2	357.0	362.3
50°	285.0	303.0	325.2	342.2	346.4
52.5°	265.9	285.0	308.3	325.2	330.5
55°	245.8	265.9	290.3	308.3	314.6
57.5°	226.7	246.8	272.2	291.3	297.7
60°	205.5	228.8	254.2	273.3	280.7
62.5°	187.5	208.7	236.2	255.3	261.7
65°	166.3	188.6	217.2	237.3	243.6
67.5°	146.2	169.5	198.1	219.3	225.6
70°	126.1	149.4	180.1	200.2	207.6
72.5°	105.9	130.3	160.0	182.2	189.6
75°	86.9	110.2	141.9	164.2	171.6
77.5°	66.7	92.2	123.9	146.2	154.7
80°	48.7	75.2	107.0	129.2	137.7
82.5°	32.8	59.3	91.1	113.3	121.8
85°	19.1	45.6	77.3	98.5	105.9
87.5°	9.5	35.0	64.6	85.8	93.2
90°	0.0	25.4	54.0	74.2	81.6
92.5°	0.0	24.4	53.0	72.0	79.4
95°	0.0	24.4	51.9	71.0	78.4
97.5°	0.0	23.3	50.8	71.0	77.3
100°	0.0	22.2	50.8	69.9	76.3
102.5°	0.0	21.2	49.8	68.9	75.2
105°	0.0	20.1	48.7	66.7	73.1
107.5°	1.1	20.1	46.6	65.7	72.0
110°	1.1	19.1	44.5	64.6	71.0



TEST NUMBER: P566172

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.0	42.4	62.5	68.9
115°	1.1	18.0	41.3	59.3	66.7
117.5°	1.1	16.9	39.2	57.2	64.6
120°	1.1	16.9	38.1	55.1	61.4
122.5°	1.1	15.9	36.0	53.0	59.3
125°	1.1	14.8	35.0	50.8	57.2
127.5°	1.1	13.8	33.9	48.7	55.1
130°	1.1	12.7	31.8	46.6	51.9
132.5°	1.1	12.7	30.7	43.4	49.8
135°	1.1	11.7	28.6	41.3	46.6
137.5°	1.1	10.6	26.5	39.2	44.5
140°	1.1	9.5	24.4	37.1	41.3
142.5°	1.1	9.5	22.2	33.9	38.1
145°	1.1	8.5	20.1	31.8	35.0
147.5°	1.1	7.4	18.0	28.6	31.8
150°	1.1	7.4	15.9	25.4	28.6
152.5°	1.1	6.4	13.8	23.3	26.5
155°	1.1	5.3	12.7	20.1	23.3
157.5°	1.1	5.3	10.6	16.9	20.1
160°	1.1	4.2	9.5	13.8	16.9
162.5°	1.1	4.2	8.5	11.7	14.8
165°	1.1	3.2	6.4	9.5	11.7
167.5°	1.1	3.2	5.3	7.4	9.5
170°	1.1	2.1	4.2	5.3	7.4
172.5°	1.1	2.1	3.2	3.2	3.2
175°	1.1	1.1	2.1	2.1	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)