

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: P566173

Luminaire Tested: **4SNX-22SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566173
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-L950-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

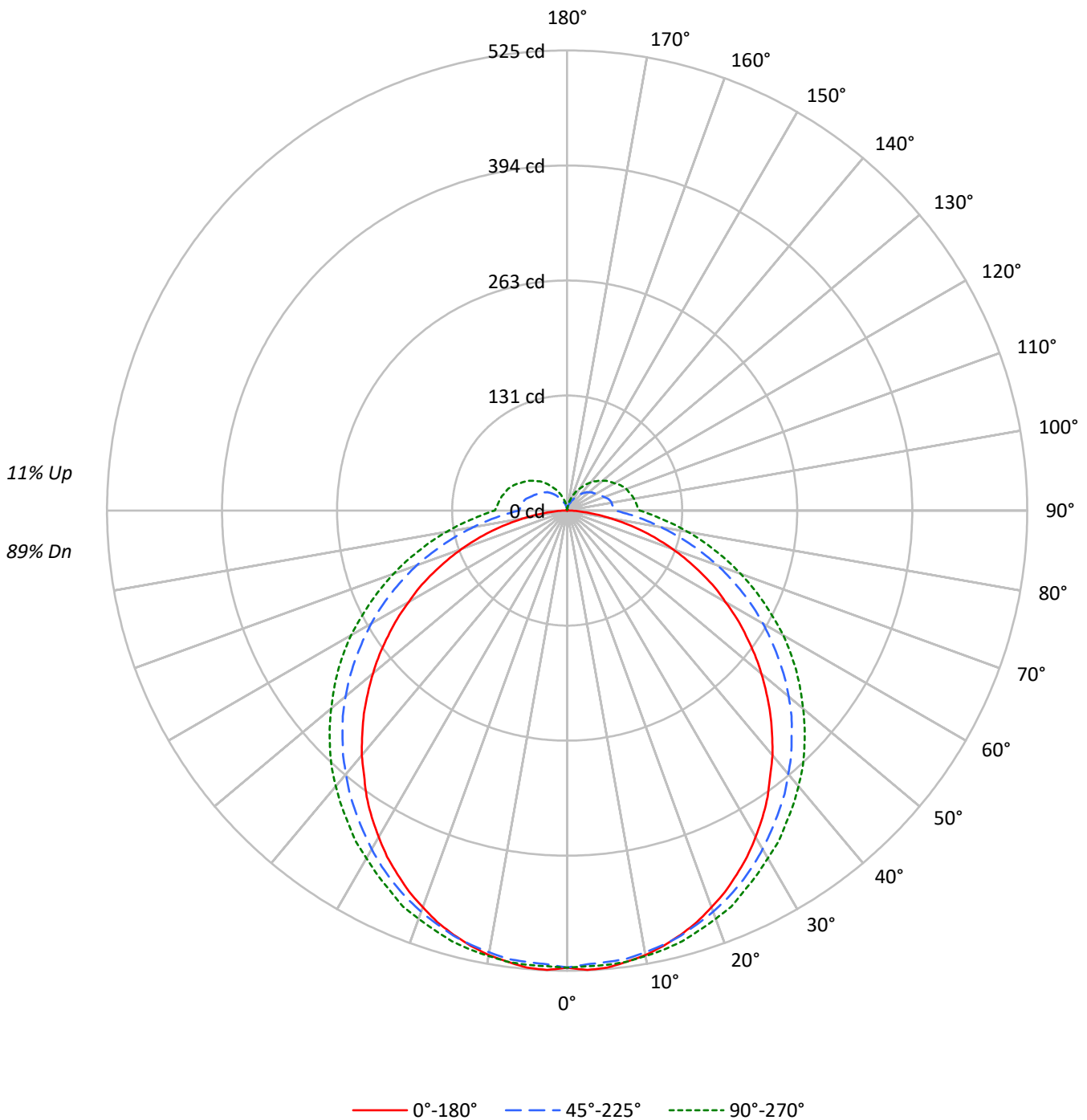
Lumens per Lamp: N/A
Luminaire Lumens: 1855.9 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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: P566173

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L950-CD

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	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°	5612	5612	5612
5°	5646	5468	5463
10°	5607	5357	5328
15°	5551	5244	5204
20°	5475	5114	5065
25°	5386	4987	4920
30°	5281	4847	4776
35°	5165	4702	4642
40°	5033	4559	4512
45°	4890	4414	4374
50°	4726	4260	4217
55°	4546	4075	4065
60°	4333	3879	3894
65°	4116	3657	3678
70°	3808	3412	3468
75°	3401	3102	3234
80°	2740	2788	3004
85°	1927	2517	2769



TEST NUMBER: P566173

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	2.7
10°-20°	142.3	7.7
20°-30°	216.4	11.7
30°-40°	262.7	14.2
40°-50°	277.6	15.0
50°-60°	259.8	14.0
60°-70°	213.2	11.5
70°-80°	146.6	7.9
80°-90°	80.3	4.3
90°-100°	51.7	2.8
100°-110°	46.4	2.5
110°-120°	38.4	2.1
120°-130°	29.6	1.6
130°-140°	20.8	1.1
140°-150°	12.5	0.7
150°-160°	6.0	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	408.3	22.0
0°-40°	671.0	36.2
0°-60°	1208.4	65.1
0°-90°	1648.4	88.8
90°-120°	136.5	7.4
90°-150°	199.3	10.7
90°-180°	208.0	11.2
0°-180°	1855.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	524	522	517	521	520	50
15°	501	503	502	508	508	141
25°	458	463	469	478	478	211
35°	399	408	420	432	435	249
45°	328	343	362	378	383	253
55°	249	270	294	313	319	223
65°	169	191	220	241	247	167
75°	88	112	144	167	174	93
85°	19	46	78	100	108	22
90°	0	26	55	75	83	1
95°	0	25	53	72	80	0
105°	0	20	49	68	74	1
115°	1	18	42	60	68	1
125°	1	15	36	52	58	1
135°	1	12	29	42	47	1
145°	1	9	20	32	36	1
155°	1	5	13	20	24	1
165°	1	3	6	10	12	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566173

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	521.4	521.4	521.4	521.4	521.4
2.5°	524.6	523.5	518.1	522.4	520.3
5°	523.5	522.4	517.1	521.4	520.3
7.5°	519.2	519.2	516.0	520.3	519.2
10°	514.9	514.9	511.7	517.1	516.0
12.5°	508.5	509.5	507.4	513.8	512.8
15°	500.9	503.1	502.0	508.5	508.5
17.5°	492.3	494.5	494.5	502.0	502.0
20°	481.6	484.8	487.0	495.6	495.6
22.5°	470.8	475.1	478.4	485.9	489.1
25°	457.9	463.3	468.7	478.4	478.4
27.5°	445.0	451.5	457.9	467.6	468.7
30°	430.0	437.5	446.1	455.8	457.9
32.5°	414.9	424.6	433.2	445.0	448.3
35°	398.8	408.5	420.3	432.1	435.4
37.5°	380.5	392.4	407.4	420.3	423.5
40°	364.4	377.3	392.4	407.4	410.6
42.5°	346.1	360.1	378.4	392.4	397.7
45°	327.9	342.9	362.3	378.4	382.7
47.5°	308.5	325.7	347.2	362.3	367.6
50°	289.2	307.4	330.0	347.2	351.5
52.5°	269.8	289.2	312.8	330.0	335.4
55°	249.4	269.8	294.5	312.8	319.3
57.5°	230.0	250.5	276.3	295.6	302.1
60°	208.5	232.2	258.0	277.3	284.9
62.5°	190.3	211.8	239.7	259.1	265.5
65°	168.8	191.3	220.4	240.8	247.2
67.5°	148.3	172.0	201.0	222.5	229.0
70°	127.9	151.6	182.7	203.2	210.7
72.5°	107.5	132.2	162.3	184.9	192.4
75°	88.1	111.8	144.0	166.6	174.1
77.5°	67.7	93.5	125.8	148.3	156.9
80°	49.4	76.3	108.6	131.1	139.7
82.5°	33.3	60.2	92.4	115.0	123.6
85°	19.3	46.2	78.5	100.0	107.5
87.5°	9.7	35.5	65.6	87.1	94.6
90°	0.0	25.8	54.8	75.2	82.8
92.5°	0.0	24.7	53.7	73.1	80.6
95°	0.0	24.7	52.7	72.0	79.5
97.5°	0.0	23.6	51.6	72.0	78.5
100°	0.0	22.6	51.6	70.9	77.4
102.5°	0.0	21.5	50.5	69.9	76.3
105°	0.0	20.4	49.4	67.7	74.2
107.5°	1.1	20.4	47.3	66.6	73.1
110°	1.1	19.3	45.1	65.6	72.0



TEST NUMBER: P566173

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.3	43.0	63.4	69.9
115°	1.1	18.3	41.9	60.2	67.7
117.5°	1.1	17.2	39.8	58.0	65.6
120°	1.1	17.2	38.7	55.9	62.3
122.5°	1.1	16.1	36.5	53.7	60.2
125°	1.1	15.0	35.5	51.6	58.0
127.5°	1.1	14.0	34.4	49.4	55.9
130°	1.1	12.9	32.2	47.3	52.7
132.5°	1.1	12.9	31.2	44.1	50.5
135°	1.1	11.8	29.0	41.9	47.3
137.5°	1.1	10.7	26.9	39.8	45.1
140°	1.1	9.7	24.7	37.6	41.9
142.5°	1.1	9.7	22.6	34.4	38.7
145°	1.1	8.6	20.4	32.2	35.5
147.5°	1.1	7.5	18.3	29.0	32.2
150°	1.1	7.5	16.1	25.8	29.0
152.5°	1.1	6.4	14.0	23.6	26.9
155°	1.1	5.4	12.9	20.4	23.6
157.5°	1.1	5.4	10.7	17.2	20.4
160°	1.1	4.3	9.7	14.0	17.2
162.5°	1.1	4.3	8.6	11.8	15.0
165°	1.1	3.2	6.4	9.7	11.8
167.5°	1.1	3.2	5.4	7.5	9.7
170°	1.1	2.1	4.3	5.4	7.5
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)