

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: P566159

Luminaire Tested: **4SNX-22SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566159
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-LW-UNV-L835-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

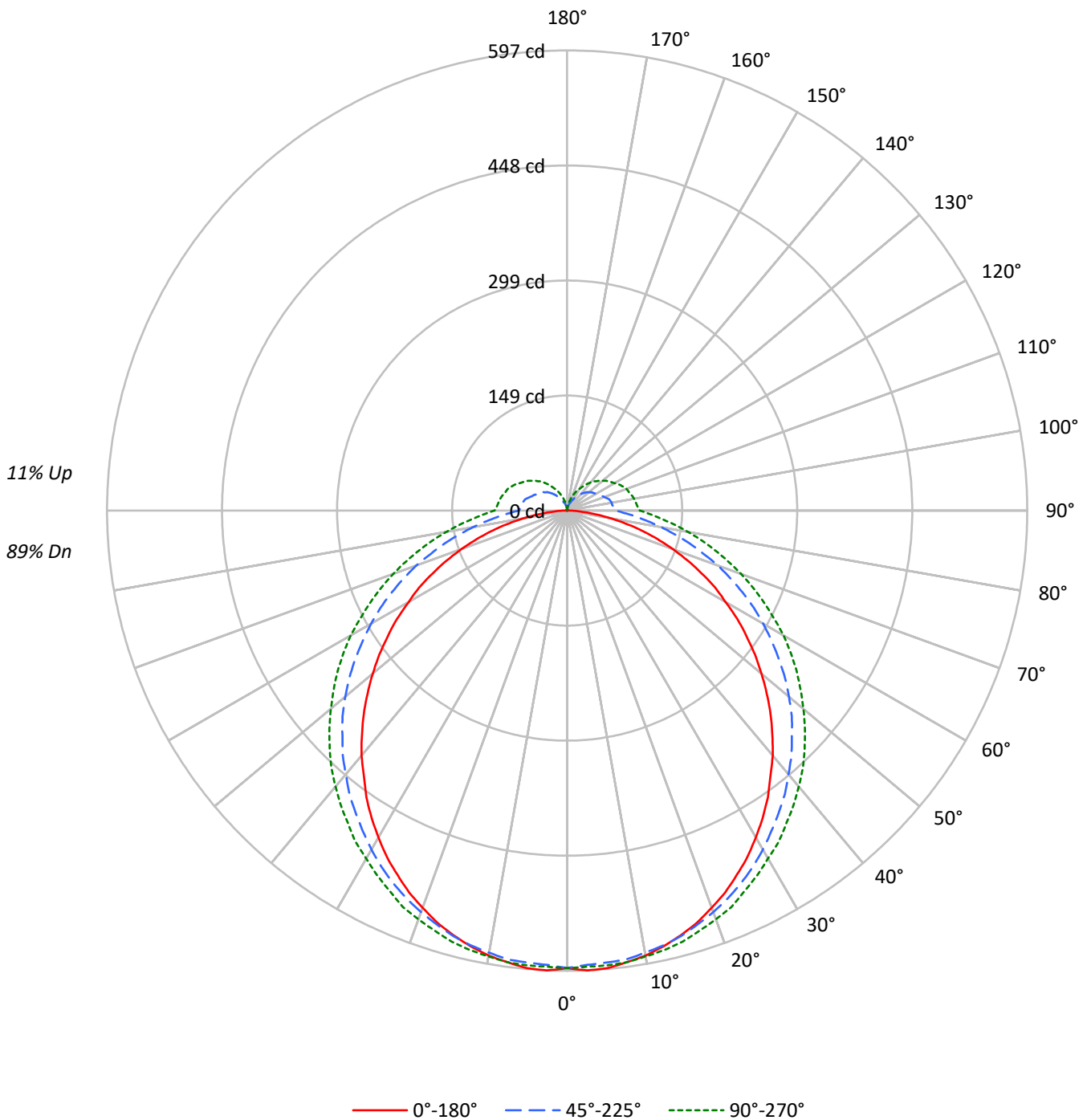
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2113.0 lumens
Efficiency: N/A
Efficacy: 153.1 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: 0.17')
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: P566159
CATALOG NUMBER: 4SNX-22SL-LW-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566159

CATALOG NUMBER: 4SNX-22SL-LW-UNV-L835-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	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°	6388	6388	6388
5°	6416	6094	6047
10°	6360	5850	5745
15°	6285	5615	5473
20°	6187	5371	5201
25°	6073	5137	4934
30°	5941	4897	4678
35°	5797	4655	4440
40°	5633	4419	4212
45°	5455	4183	3979
50°	5252	3940	3734
55°	5029	3668	3494
60°	4767	3386	3240
65°	4491	3081	2951
70°	4112	2755	2666
75°	3614	2377	2364
80°	2823	1995	2063
85°	1840	1640	1754



TEST NUMBER: P566159

CATALOG NUMBER: 4SNX-22SL-LW-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	2.7
10°-20°	162.0	7.7
20°-30°	246.4	11.7
30°-40°	299.1	14.2
40°-50°	316.1	15.0
50°-60°	295.7	14.0
60°-70°	242.7	11.5
70°-80°	166.9	7.9
80°-90°	91.4	4.3
90°-100°	58.9	2.8
100°-110°	52.8	2.5
110°-120°	43.7	2.1
120°-130°	33.7	1.6
130°-140°	23.6	1.1
140°-150°	14.3	0.7
150°-160°	6.8	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	464.8	22.0
0°-40°	763.9	36.2
0°-60°	1375.7	65.1
0°-90°	1876.7	88.8
90°-120°	155.4	7.4
90°-150°	226.9	10.7
90°-180°	236.0	11.2
0°-180°	2113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	594	594	594	594	594	
5°	596	595	589	594	592	57
15°	570	573	572	579	579	161
25°	521	528	534	545	545	240
35°	454	465	478	492	496	284
45°	373	390	412	431	436	288
55°	284	307	335	356	364	254
65°	192	218	251	274	282	190
75°	100	127	164	190	198	106
85°	22	53	89	114	122	25
90°	0	29	62	86	94	2
95°	0	28	60	82	91	0
105°	0	23	56	77	84	1
115°	1	21	48	68	77	1
125°	1	17	40	59	66	1
135°	1	14	33	48	54	1
145°	1	10	23	37	40	1
155°	1	6	15	23	27	1
165°	1	4	7	11	14	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566159

CATALOG NUMBER: 4SNX-22SL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.5	593.5	593.5	593.5	593.5
2.5°	597.2	596.0	589.9	594.8	592.3
5°	596.0	594.8	588.7	593.5	592.3
7.5°	591.1	591.1	587.4	592.3	591.1
10°	586.2	586.2	582.5	588.7	587.4
12.5°	578.9	580.1	577.6	585.0	583.8
15°	570.3	572.7	571.5	578.9	578.9
17.5°	560.5	563.0	563.0	571.5	571.5
20°	548.3	551.9	554.4	564.2	564.2
22.5°	536.0	540.9	544.6	553.2	556.8
25°	521.3	527.5	533.6	544.6	544.6
27.5°	506.7	514.0	521.3	532.4	533.6
30°	489.5	498.1	507.9	518.9	521.3
32.5°	472.4	483.4	493.2	506.7	510.3
35°	454.0	465.0	478.5	492.0	495.6
37.5°	433.2	446.7	463.8	478.5	482.2
40°	414.9	429.6	446.7	463.8	467.5
42.5°	394.1	410.0	430.8	446.7	452.8
45°	373.3	390.4	412.4	430.8	435.7
47.5°	351.2	370.8	395.3	412.4	418.5
50°	329.2	350.0	375.7	395.3	400.2
52.5°	307.2	329.2	356.1	375.7	381.8
55°	283.9	307.2	335.3	356.1	363.5
57.5°	261.9	285.1	314.5	336.5	343.9
60°	237.4	264.3	293.7	315.7	324.3
62.5°	216.6	241.1	272.9	294.9	302.3
65°	192.1	217.8	250.9	274.1	281.5
67.5°	168.9	195.8	228.9	253.3	260.7
70°	145.6	172.6	208.0	231.3	239.9
72.5°	122.4	150.5	184.8	210.5	219.1
75°	100.4	127.3	164.0	189.7	198.3
77.5°	77.1	106.5	143.2	168.9	178.7
80°	56.3	86.9	123.6	149.3	159.1
82.5°	37.9	68.5	105.2	130.9	140.7
85°	22.0	52.6	89.3	113.8	122.4
87.5°	11.0	40.4	74.7	99.1	107.7
90°	0.0	29.4	62.4	85.7	94.2
92.5°	0.0	28.1	61.2	83.2	91.8
95°	0.0	28.1	60.0	82.0	90.6
97.5°	0.0	26.9	58.7	82.0	89.3
100°	0.0	25.7	58.7	80.8	88.1
102.5°	0.0	24.5	57.5	79.5	86.9
105°	0.0	23.3	56.3	77.1	84.4
107.5°	1.2	23.3	53.8	75.9	83.2
110°	1.2	22.0	51.4	74.7	82.0



TEST NUMBER: P566159

CATALOG NUMBER: 4SNX-22SL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.8	49.0	72.2	79.5
115°	1.2	20.8	47.7	68.5	77.1
117.5°	1.2	19.6	45.3	66.1	74.7
120°	1.2	19.6	44.1	63.6	71.0
122.5°	1.2	18.4	41.6	61.2	68.5
125°	1.2	17.1	40.4	58.7	66.1
127.5°	1.2	15.9	39.2	56.3	63.6
130°	1.2	14.7	36.7	53.8	60.0
132.5°	1.2	14.7	35.5	50.2	57.5
135°	1.2	13.5	33.0	47.7	53.8
137.5°	1.2	12.2	30.6	45.3	51.4
140°	1.2	11.0	28.1	42.8	47.7
142.5°	1.2	11.0	25.7	39.2	44.1
145°	1.2	9.8	23.3	36.7	40.4
147.5°	1.2	8.6	20.8	33.0	36.7
150°	1.2	8.6	18.4	29.4	33.0
152.5°	1.2	7.3	15.9	26.9	30.6
155°	1.2	6.1	14.7	23.3	26.9
157.5°	1.2	6.1	12.2	19.6	23.3
160°	1.2	4.9	11.0	15.9	19.6
162.5°	1.2	4.9	9.8	13.5	17.1
165°	1.2	3.7	7.3	11.0	13.5
167.5°	1.2	3.7	6.1	8.6	11.0
170°	1.2	2.4	4.9	6.1	8.6
172.5°	1.2	2.4	3.7	3.7	3.7
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)