

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: P566403

Luminaire Tested: **4SNX-41SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566403
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-41SL-LW-UNV-L935-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

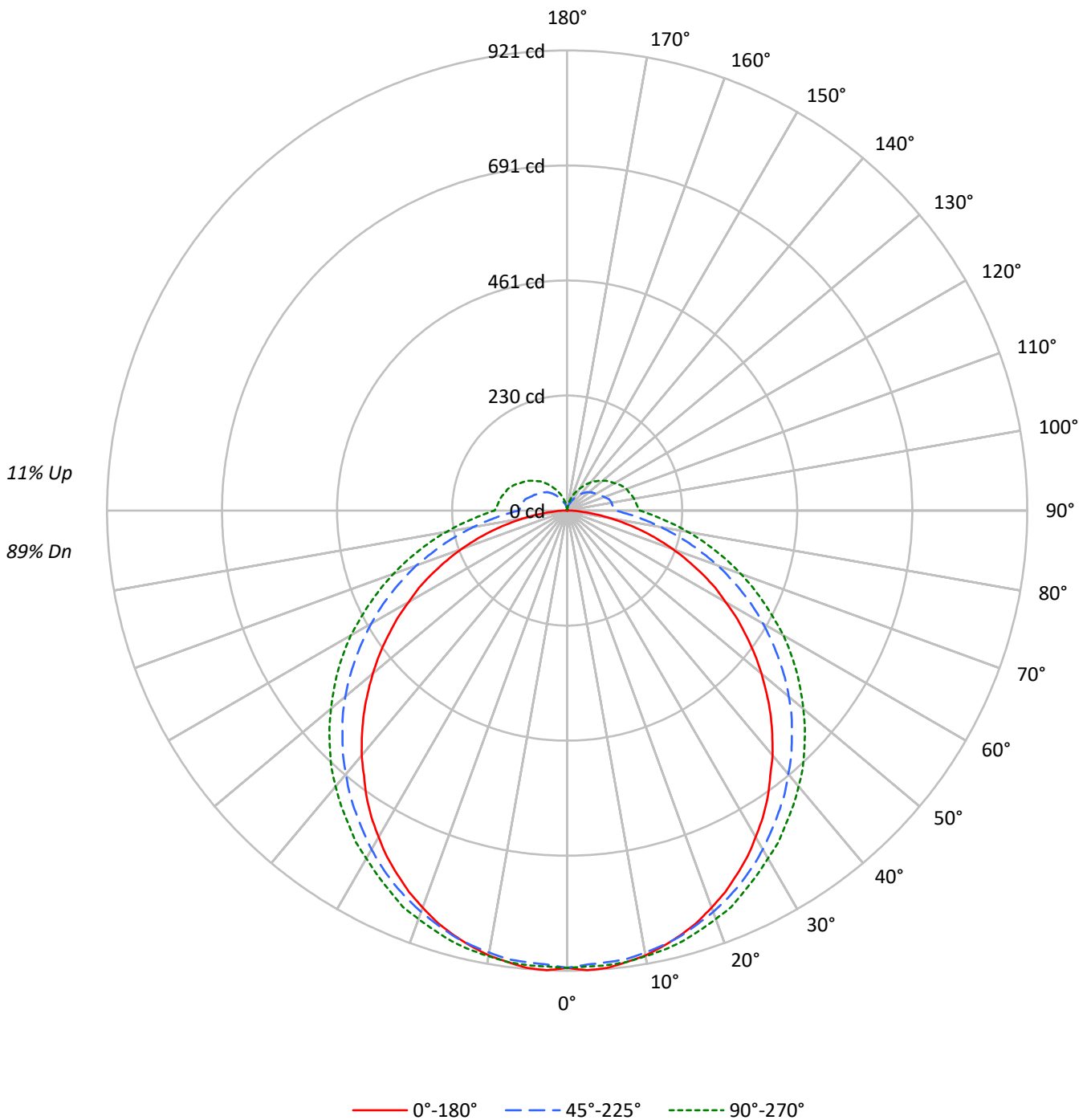
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3258.0 lumens
Efficiency: N/A
Efficacy: 123.9 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): 26.3
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: P566403
CATALOG NUMBER: 4SNX-41SL-LW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566403

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L935-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	76	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°	9851	9851	9851
5°	9894	9395	9324
10°	9808	9021	8858
15°	9690	8658	8438
20°	9539	8282	8019
25°	9365	7921	7608
30°	9161	7550	7214
35°	8939	7178	6846
40°	8685	6814	6495
45°	8410	6450	6136
50°	8098	6075	5758
55°	7754	5656	5387
60°	7351	5221	4995
65°	6928	4750	4549
70°	6340	4249	4110
75°	5568	3666	3645
80°	4352	3076	3180
85°	2844	2529	2704



TEST NUMBER: P566403

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	2.7
10°-20°	249.8	7.7
20°-30°	379.9	11.7
30°-40°	461.2	14.2
40°-50°	487.3	15.0
50°-60°	456.0	14.0
60°-70°	374.2	11.5
70°-80°	257.4	7.9
80°-90°	140.9	4.3
90°-100°	90.7	2.8
100°-110°	81.4	2.5
110°-120°	67.4	2.1
120°-130°	51.9	1.6
130°-140°	36.5	1.1
140°-150°	22.0	0.7
150°-160°	10.5	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	716.7	22.0
0°-40°	1177.9	36.2
0°-60°	2121.2	65.1
0°-90°	2893.7	88.8
90°-120°	239.6	7.4
90°-150°	350.0	10.7
90°-180°	364.0	11.2
0°-180°	3258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	919	917	908	915	913	87
15°	879	883	881	892	892	248
25°	804	813	823	840	840	370
35°	700	717	738	759	764	437
45°	576	602	636	664	672	444
55°	438	474	517	549	560	392
65°	296	336	387	423	434	293
75°	155	196	253	292	306	163
85°	34	81	138	176	189	39
90°	0	45	96	132	145	2
95°	0	43	92	126	140	0
105°	0	36	87	119	130	1
115°	2	32	74	106	119	2
125°	2	26	62	91	102	2
135°	2	21	51	74	83	1
145°	2	15	36	57	62	1
155°	2	9	23	36	42	1
165°	2	6	11	17	21	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566403

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	915.2	915.2	915.2	915.2	915.2
2.5°	920.8	919.0	909.5	917.1	913.3
5°	919.0	917.1	907.6	915.2	913.3
7.5°	911.4	911.4	905.7	913.3	911.4
10°	903.9	903.9	898.2	907.6	905.7
12.5°	892.5	894.4	890.6	902.0	900.1
15°	879.3	883.1	881.2	892.5	892.5
17.5°	864.2	868.0	868.0	881.2	881.2
20°	845.4	851.0	854.8	869.9	869.9
22.5°	826.5	834.0	839.7	852.9	858.6
25°	803.8	813.3	822.7	839.7	839.7
27.5°	781.2	792.5	803.8	820.8	822.7
30°	754.8	768.0	783.1	800.1	803.8
32.5°	728.4	745.4	760.4	781.2	786.9
35°	700.1	717.0	737.8	758.6	764.2
37.5°	668.0	688.7	715.2	737.8	743.5
40°	639.7	662.3	688.7	715.2	720.8
42.5°	607.6	632.1	664.2	688.7	698.2
45°	575.5	601.9	635.9	664.2	671.8
47.5°	541.6	571.8	609.5	635.9	645.3
50°	507.6	539.7	579.3	609.5	617.0
52.5°	473.6	507.6	549.1	579.3	588.7
55°	437.8	473.6	517.0	549.1	560.4
57.5°	403.8	439.7	485.0	518.9	530.2
60°	366.1	407.6	452.9	486.8	500.0
62.5°	334.0	371.7	420.8	454.8	466.1
65°	296.3	335.9	386.8	422.7	434.0
67.5°	260.4	301.9	352.9	390.6	401.9
70°	224.5	266.1	320.8	356.6	369.8
72.5°	188.7	232.1	284.9	324.6	337.8
75°	154.7	196.2	252.9	292.5	305.7
77.5°	118.9	164.2	220.8	260.4	275.5
80°	86.8	134.0	190.6	230.2	245.3
82.5°	58.5	105.7	162.3	201.9	217.0
85°	34.0	81.1	137.7	175.5	188.7
87.5°	17.0	62.3	115.1	152.8	166.1
90°	0.0	45.3	96.2	132.1	145.3
92.5°	0.0	43.4	94.3	128.3	141.5
95°	0.0	43.4	92.5	126.4	139.6
97.5°	0.0	41.5	90.6	126.4	137.7
100°	0.0	39.6	90.6	124.5	135.9
102.5°	0.0	37.7	88.7	122.7	134.0
105°	0.0	35.9	86.8	118.9	130.2
107.5°	1.9	35.9	83.0	117.0	128.3
110°	1.9	34.0	79.3	115.1	126.4



TEST NUMBER: P566403

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	32.1	75.5	111.3	122.7
115°	1.9	32.1	73.6	105.7	118.9
117.5°	1.9	30.2	69.8	101.9	115.1
120°	1.9	30.2	67.9	98.1	109.4
122.5°	1.9	28.3	64.2	94.3	105.7
125°	1.9	26.4	62.3	90.6	101.9
127.5°	1.9	24.5	60.4	86.8	98.1
130°	1.9	22.6	56.6	83.0	92.5
132.5°	1.9	22.6	54.7	77.4	88.7
135°	1.9	20.8	50.9	73.6	83.0
137.5°	1.9	18.9	47.2	69.8	79.3
140°	1.9	17.0	43.4	66.0	73.6
142.5°	1.9	17.0	39.6	60.4	67.9
145°	1.9	15.1	35.9	56.6	62.3
147.5°	1.9	13.2	32.1	50.9	56.6
150°	1.9	13.2	28.3	45.3	50.9
152.5°	1.9	11.3	24.5	41.5	47.2
155°	1.9	9.4	22.6	35.9	41.5
157.5°	1.9	9.4	18.9	30.2	35.9
160°	1.9	7.5	17.0	24.5	30.2
162.5°	1.9	7.5	15.1	20.8	26.4
165°	1.9	5.7	11.3	17.0	20.8
167.5°	1.9	5.7	9.4	13.2	17.0
170°	1.9	3.8	7.5	9.4	13.2
172.5°	1.9	3.8	5.7	5.7	5.7
175°	1.9	1.9	3.8	3.8	1.9
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)