

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: P566410

Luminaire Tested: **4SNX-41SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566410
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-SLW-UNV-L930-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

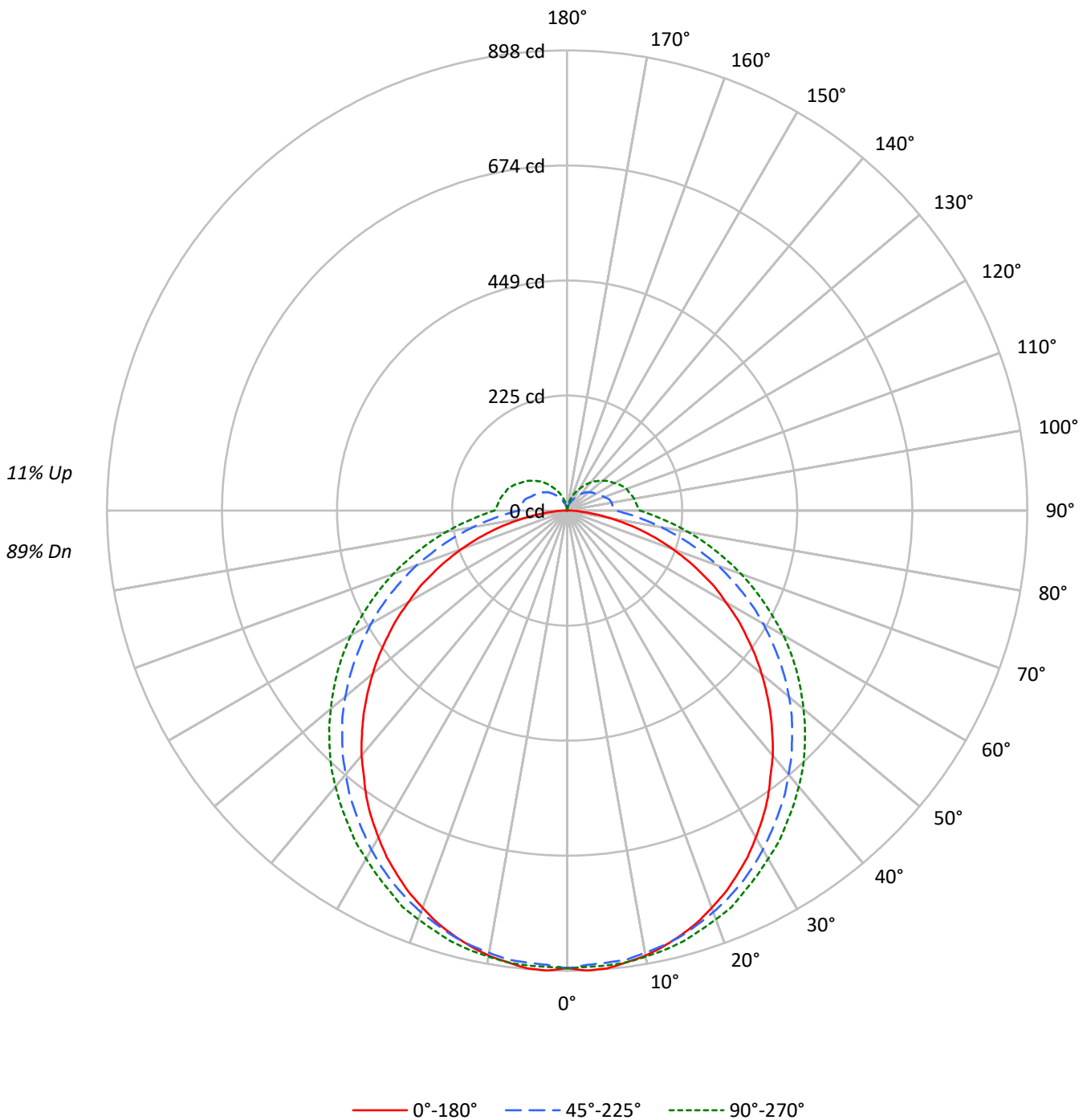
Lumens per Lamp: N/A
Luminaire Lumens: 3179.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 26.3
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: P566410

CATALOG NUMBER: 4SNX-41SL-SLW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566410

CATALOG NUMBER: 4SNX-41SL-SLW-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	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°	9612	9612	9612
5°	9671	9365	9357
10°	9604	9175	9126
15°	9508	8981	8912
20°	9378	8759	8675
25°	9227	8541	8426
30°	9046	8302	8181
35°	8848	8053	7950
40°	8621	7808	7729
45°	8375	7560	7491
50°	8094	7297	7224
55°	7786	6981	6961
60°	7423	6643	6669
65°	7050	6262	6301
70°	6524	5845	5940
75°	5829	5314	5541
80°	4697	4775	5148
85°	3304	4310	4742



TEST NUMBER: P566410

CATALOG NUMBER: 4SNX-41SL-SLW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	2.7
10°-20°	243.8	7.7
20°-30°	370.7	11.7
30°-40°	450.0	14.2
40°-50°	475.5	15.0
50°-60°	445.0	14.0
60°-70°	365.1	11.5
70°-80°	251.1	7.9
80°-90°	137.5	4.3
90°-100°	88.6	2.8
100°-110°	79.5	2.5
110°-120°	65.8	2.1
120°-130°	50.6	1.6
130°-140°	35.6	1.1
140°-150°	21.4	0.7
150°-160°	10.3	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	699.3	22.0
0°-40°	1149.3	36.2
0°-60°	2069.8	65.1
0°-90°	2823.5	88.8
90°-120°	233.8	7.4
90°-150°	341.4	10.7
90°-180°	355.0	11.2
0°-180°	3179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	897	895	886	893	891	85
15°	858	862	860	871	871	242
25°	784	794	803	819	819	361
35°	683	700	720	740	746	427
45°	562	587	620	648	656	433
55°	427	462	504	536	547	382
65°	289	328	377	412	424	286
75°	151	192	247	285	298	159
85°	33	79	134	171	184	38
90°	0	44	94	129	142	2
95°	0	42	90	123	136	0
105°	0	35	85	116	127	1
115°	2	31	72	103	116	2
125°	2	26	61	88	99	2
135°	2	20	50	72	81	1
145°	2	15	35	55	61	1
155°	2	9	22	35	40	1
165°	2	6	11	17	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566410

CATALOG NUMBER: 4SNX-41SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.0	893.0	893.0	893.0	893.0
2.5°	898.5	896.7	887.5	894.8	891.1
5°	896.7	894.8	885.6	893.0	891.1
7.5°	889.3	889.3	883.8	891.1	889.3
10°	881.9	881.9	876.4	885.6	883.8
12.5°	870.9	872.7	869.1	880.1	878.3
15°	858.0	861.7	859.8	870.9	870.9
17.5°	843.3	847.0	847.0	859.8	859.8
20°	824.9	830.4	834.1	848.8	848.8
22.5°	806.5	813.8	819.3	832.2	837.8
25°	784.4	793.6	802.8	819.3	819.3
27.5°	762.3	773.3	784.4	800.9	802.8
30°	736.5	749.4	764.1	780.7	784.4
32.5°	710.7	727.3	742.0	762.3	767.8
35°	683.1	699.7	719.9	740.2	745.7
37.5°	651.8	672.0	697.8	719.9	725.4
40°	624.2	646.3	672.0	697.8	703.3
42.5°	592.9	616.8	648.1	672.0	681.2
45°	561.6	587.3	620.5	648.1	655.5
47.5°	528.4	557.9	594.7	620.5	629.7
50°	495.3	526.6	565.3	594.7	602.1
52.5°	462.1	495.3	535.8	565.3	574.5
55°	427.2	462.1	504.5	535.8	546.8
57.5°	394.0	429.0	473.2	506.3	517.4
60°	357.2	397.7	441.9	475.0	487.9
62.5°	325.9	362.7	410.6	443.7	454.8
65°	289.1	327.7	377.4	412.4	423.5
67.5°	254.1	294.6	344.3	381.1	392.2
70°	219.1	259.6	313.0	348.0	360.9
72.5°	184.1	226.5	278.0	316.7	329.6
75°	151.0	191.5	246.7	285.4	298.3
77.5°	116.0	160.2	215.4	254.1	268.8
80°	84.7	130.7	186.0	224.6	239.4
82.5°	57.1	103.1	158.3	197.0	211.7
85°	33.1	79.2	134.4	171.2	184.1
87.5°	16.6	60.8	112.3	149.1	162.0
90°	0.0	44.2	93.9	128.9	141.8
92.5°	0.0	42.3	92.1	125.2	138.1
95°	0.0	42.3	90.2	123.4	136.2
97.5°	0.0	40.5	88.4	123.4	134.4
100°	0.0	38.7	88.4	121.5	132.6
102.5°	0.0	36.8	86.5	119.7	130.7
105°	0.0	35.0	84.7	116.0	127.0
107.5°	1.8	35.0	81.0	114.2	125.2
110°	1.8	33.1	77.3	112.3	123.4



TEST NUMBER: P566410

CATALOG NUMBER: 4SNX-41SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	31.3	73.6	108.6	119.7
115°	1.8	31.3	71.8	103.1	116.0
117.5°	1.8	29.5	68.1	99.4	112.3
120°	1.8	29.5	66.3	95.7	106.8
122.5°	1.8	27.6	62.6	92.1	103.1
125°	1.8	25.8	60.8	88.4	99.4
127.5°	1.8	23.9	58.9	84.7	95.7
130°	1.8	22.1	55.2	81.0	90.2
132.5°	1.8	22.1	53.4	75.5	86.5
135°	1.8	20.3	49.7	71.8	81.0
137.5°	1.8	18.4	46.0	68.1	77.3
140°	1.8	16.6	42.3	64.4	71.8
142.5°	1.8	16.6	38.7	58.9	66.3
145°	1.8	14.7	35.0	55.2	60.8
147.5°	1.8	12.9	31.3	49.7	55.2
150°	1.8	12.9	27.6	44.2	49.7
152.5°	1.8	11.0	23.9	40.5	46.0
155°	1.8	9.2	22.1	35.0	40.5
157.5°	1.8	9.2	18.4	29.5	35.0
160°	1.8	7.4	16.6	23.9	29.5
162.5°	1.8	7.4	14.7	20.3	25.8
165°	1.8	5.5	11.0	16.6	20.3
167.5°	1.8	5.5	9.2	12.9	16.6
170°	1.8	3.7	7.4	9.2	12.9
172.5°	1.8	3.7	5.5	5.5	5.5
175°	1.8	1.8	3.7	3.7	1.8
177.5°	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)