

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: P566266

Luminaire Tested: **4SNX-31SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566266
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-31SL-SLW-UNV-L930-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

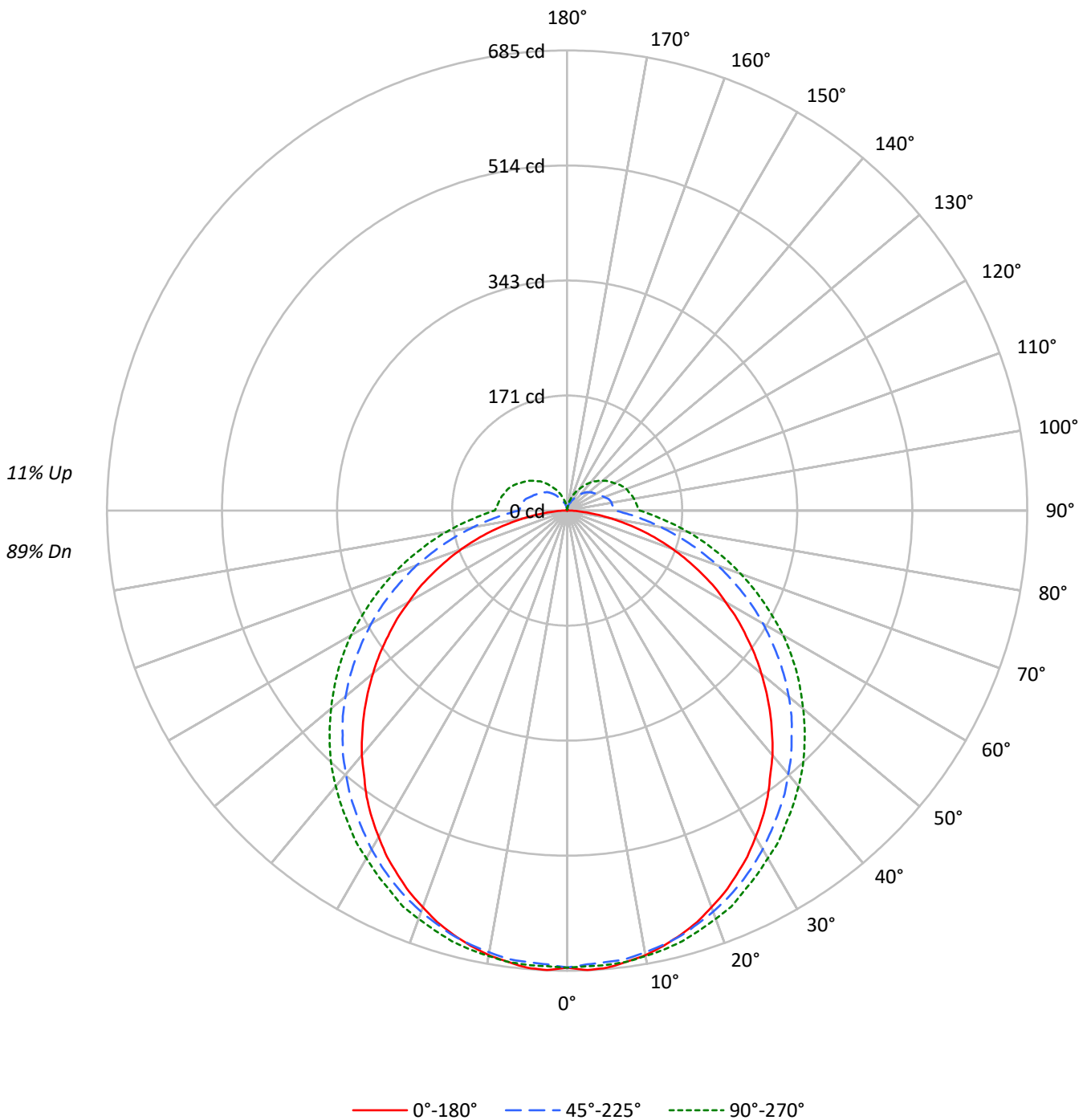
Lumens per Lamp: N/A
Luminaire Lumens: 2422.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 19.5
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

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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°	7323	7323	7323
5°	7369	7134	7128
10°	7317	6990	6952
15°	7244	6843	6790
20°	7144	6674	6609
25°	7029	6507	6420
30°	6891	6325	6233
35°	6740	6136	6057
40°	6567	5949	5889
45°	6380	5759	5707
50°	6166	5560	5504
55°	5931	5319	5303
60°	5654	5062	5080
65°	5369	4772	4799
70°	4969	4454	4524
75°	4439	4049	4220
80°	3577	3638	3922
85°	2516	3284	3614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	2.7
10°-20°	185.7	7.7
20°-30°	282.4	11.7
30°-40°	342.8	14.2
40°-50°	362.3	15.0
50°-60°	339.0	14.0
60°-70°	278.1	11.5
70°-80°	191.3	7.9
80°-90°	104.8	4.3
90°-100°	67.5	2.8
100°-110°	60.6	2.5
110°-120°	50.1	2.1
120°-130°	38.6	1.6
130°-140°	27.1	1.1
140°-150°	16.3	0.7
150°-160°	7.8	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	532.8	22.0
0°-40°	875.6	36.2
0°-60°	1576.9	65.1
0°-90°	2151.1	88.8
90°-120°	178.1	7.4
90°-150°	260.1	10.7
90°-180°	271.0	11.2
0°-180°	2422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	683	682	675	680	679	65
15°	654	656	655	664	664	184
25°	598	605	612	624	624	275
35°	520	533	548	564	568	325
45°	428	448	473	494	499	330
55°	325	352	384	408	417	291
65°	220	250	288	314	323	218
75°	115	146	188	217	227	121
85°	25	60	102	130	140	29
90°	0	34	72	98	108	2
95°	0	32	69	94	104	0
105°	0	27	64	88	97	1
115°	1	24	55	79	88	1
125°	1	20	46	67	76	1
135°	1	15	38	55	62	1
145°	1	11	27	42	46	1
155°	1	7	17	27	31	1
165°	1	4	8	13	15	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	680.3	680.3	680.3	680.3	680.3
2.5°	684.6	683.2	676.1	681.7	678.9
5°	683.2	681.7	674.7	680.3	678.9
7.5°	677.5	677.5	673.3	678.9	677.5
10°	671.9	671.9	667.7	674.7	673.3
12.5°	663.5	664.9	662.1	670.5	669.1
15°	653.7	656.5	655.1	663.5	663.5
17.5°	642.5	645.3	645.3	655.1	655.1
20°	628.4	632.7	635.5	646.7	646.7
22.5°	614.4	620.0	624.2	634.1	638.3
25°	597.6	604.6	611.6	624.2	624.2
27.5°	580.7	589.2	597.6	610.2	611.6
30°	561.1	570.9	582.2	594.8	597.6
32.5°	541.5	554.1	565.3	580.7	585.0
35°	520.4	533.1	548.5	563.9	568.1
37.5°	496.6	512.0	531.7	548.5	552.7
40°	475.5	492.4	512.0	531.7	535.9
42.5°	451.7	469.9	493.8	512.0	519.0
45°	427.8	447.5	472.7	493.8	499.4
47.5°	402.6	425.0	453.1	472.7	479.7
50°	377.3	401.2	430.7	453.1	458.7
52.5°	352.1	377.3	408.2	430.7	437.7
55°	325.4	352.1	384.4	408.2	416.6
57.5°	300.2	326.8	360.5	385.8	394.2
60°	272.1	303.0	336.7	361.9	371.7
62.5°	248.3	276.3	312.8	338.1	346.5
65°	220.2	249.7	287.6	314.2	322.6
67.5°	193.6	224.4	262.3	290.4	298.8
70°	166.9	197.8	238.5	265.1	274.9
72.5°	140.3	172.5	211.8	241.3	251.1
75°	115.0	145.9	188.0	217.4	227.2
77.5°	88.4	122.0	164.1	193.6	204.8
80°	64.5	99.6	141.7	171.1	182.4
82.5°	43.5	78.6	120.6	150.1	161.3
85°	25.2	60.3	102.4	130.5	140.3
87.5°	12.6	46.3	85.6	113.6	123.4
90°	0.0	33.7	71.5	98.2	108.0
92.5°	0.0	32.3	70.1	95.4	105.2
95°	0.0	32.3	68.7	94.0	103.8
97.5°	0.0	30.9	67.3	94.0	102.4
100°	0.0	29.5	67.3	92.6	101.0
102.5°	0.0	28.1	65.9	91.2	99.6
105°	0.0	26.7	64.5	88.4	96.8
107.5°	1.4	26.7	61.7	87.0	95.4
110°	1.4	25.2	58.9	85.6	94.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	23.8	56.1	82.8	91.2
115°	1.4	23.8	54.7	78.6	88.4
117.5°	1.4	22.4	51.9	75.7	85.6
120°	1.4	22.4	50.5	72.9	81.4
122.5°	1.4	21.0	47.7	70.1	78.6
125°	1.4	19.6	46.3	67.3	75.7
127.5°	1.4	18.2	44.9	64.5	72.9
130°	1.4	16.8	42.1	61.7	68.7
132.5°	1.4	16.8	40.7	57.5	65.9
135°	1.4	15.4	37.9	54.7	61.7
137.5°	1.4	14.0	35.1	51.9	58.9
140°	1.4	12.6	32.3	49.1	54.7
142.5°	1.4	12.6	29.5	44.9	50.5
145°	1.4	11.2	26.7	42.1	46.3
147.5°	1.4	9.8	23.8	37.9	42.1
150°	1.4	9.8	21.0	33.7	37.9
152.5°	1.4	8.4	18.2	30.9	35.1
155°	1.4	7.0	16.8	26.7	30.9
157.5°	1.4	7.0	14.0	22.4	26.7
160°	1.4	5.6	12.6	18.2	22.4
162.5°	1.4	5.6	11.2	15.4	19.6
165°	1.4	4.2	8.4	12.6	15.4
167.5°	1.4	4.2	7.0	9.8	12.6
170°	1.4	2.8	5.6	7.0	9.8
172.5°	1.4	2.8	4.2	4.2	4.2
175°	1.4	1.4	2.8	2.8	1.4
177.5°	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)