

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: P565583

Luminaire Tested: **2SNX-23SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565583
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: 2SNX-23SL-SLW-UNV-L935-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

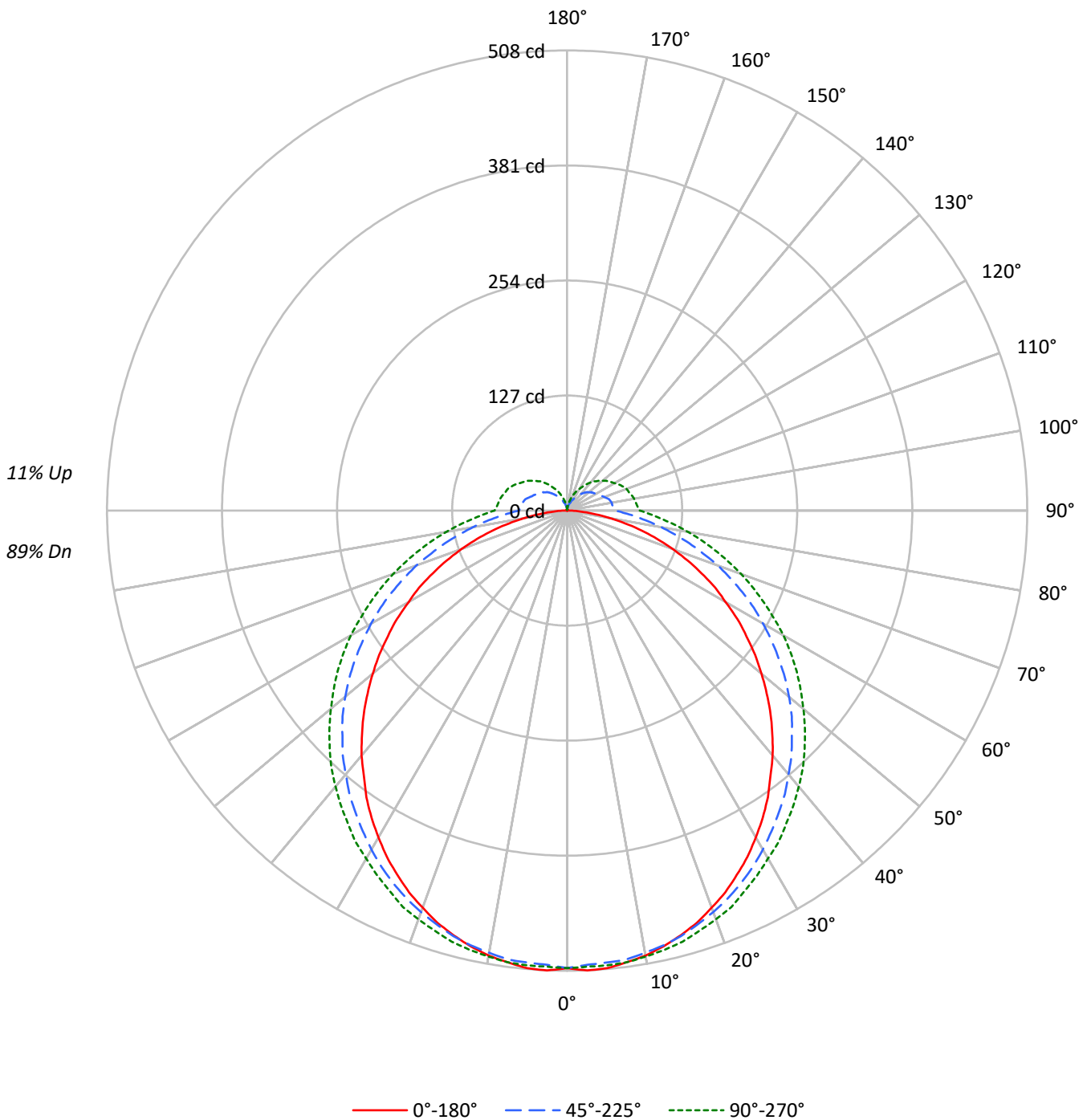
Lumens per Lamp: N/A
Luminaire Lumens: 1797.9 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 14.9
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°	10874	10874	10874
5°	10919	10580	10584
10°	10825	10354	10323
15°	10697	10122	10082
20°	10528	9859	9813
25°	10337	9602	9532
30°	10111	9322	9253
35°	9866	9031	8994
40°	9586	8744	8743
45°	9284	8451	8473
50°	8939	8144	8171
55°	8561	7775	7875
60°	8114	7383	7545
65°	7648	6943	7126
70°	7000	6456	6718
75°	6151	5844	6267
80°	4807	5221	5823
85°	3133	4671	5363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	2.7
10°-20°	137.9	7.7
20°-30°	209.7	11.7
30°-40°	254.5	14.2
40°-50°	268.9	15.0
50°-60°	251.7	14.0
60°-70°	206.5	11.5
70°-80°	142.0	7.9
80°-90°	77.8	4.3
90°-100°	50.1	2.8
100°-110°	44.9	2.5
110°-120°	37.2	2.1
120°-130°	28.6	1.6
130°-140°	20.1	1.1
140°-150°	12.1	0.7
150°-160°	5.8	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	395.5	22.0
0°-40°	650.0	36.2
0°-60°	1170.6	65.1
0°-90°	1596.9	88.8
90°-120°	132.2	7.4
90°-150°	193.1	10.7
90°-180°	201.0	11.2
0°-180°	1797.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	507	506	501	505	504	48
15°	485	487	486	493	493	137
25°	444	449	454	463	463	204
35°	386	396	407	419	422	241
45°	318	332	351	367	371	245
55°	242	261	285	303	309	216
65°	164	185	214	233	240	162
75°	85	108	140	161	169	90
85°	19	45	76	97	104	22
90°	0	25	53	73	80	1
95°	0	24	51	70	77	0
105°	0	20	48	66	72	1
115°	1	18	41	58	66	1
125°	1	15	34	50	56	1
135°	1	12	28	41	46	1
145°	1	8	20	31	34	1
155°	1	5	12	20	23	0
165°	1	3	6	9	12	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	505.1	505.1	505.1	505.1	505.1
2.5°	508.2	507.1	501.9	506.1	504.0
5°	507.1	506.1	500.9	505.1	504.0
7.5°	503.0	503.0	499.9	504.0	503.0
10°	498.8	498.8	495.7	500.9	499.9
12.5°	492.6	493.6	491.5	497.8	496.7
15°	485.3	487.4	486.3	492.6	492.6
17.5°	476.9	479.0	479.0	486.3	486.3
20°	466.5	469.7	471.7	480.1	480.1
22.5°	456.1	460.3	463.4	470.7	473.8
25°	443.6	448.8	454.0	463.4	463.4
27.5°	431.1	437.4	443.6	453.0	454.0
30°	416.5	423.8	432.2	441.5	443.6
32.5°	402.0	411.3	419.7	431.1	434.2
35°	386.3	395.7	407.2	418.6	421.8
37.5°	368.6	380.1	394.7	407.2	410.3
40°	353.0	365.5	380.1	394.7	397.8
42.5°	335.3	348.9	366.6	380.1	385.3
45°	317.6	332.2	350.9	366.6	370.7
47.5°	298.9	315.5	336.4	350.9	356.1
50°	280.1	297.8	319.7	336.4	340.5
52.5°	261.4	280.1	303.0	319.7	324.9
55°	241.6	261.4	285.3	303.0	309.3
57.5°	222.9	242.6	267.6	286.4	292.6
60°	202.0	224.9	249.9	268.7	276.0
62.5°	184.3	205.1	232.2	251.0	257.2
65°	163.5	185.4	213.5	233.3	239.5
67.5°	143.7	166.6	194.7	215.6	221.8
70°	123.9	146.8	177.0	196.8	204.1
72.5°	104.1	128.1	157.2	179.1	186.4
75°	85.4	108.3	139.5	161.4	168.7
77.5°	65.6	90.6	121.8	143.7	152.0
80°	47.9	73.9	105.2	127.0	135.4
82.5°	32.3	58.3	89.6	111.4	119.8
85°	18.7	44.8	76.0	96.8	104.1
87.5°	9.4	34.4	63.5	84.4	91.6
90°	0.0	25.0	53.1	72.9	80.2
92.5°	0.0	24.0	52.1	70.8	78.1
95°	0.0	24.0	51.0	69.8	77.1
97.5°	0.0	22.9	50.0	69.8	76.0
100°	0.0	21.9	50.0	68.7	75.0
102.5°	0.0	20.8	48.9	67.7	73.9
105°	0.0	19.8	47.9	65.6	71.9
107.5°	1.0	19.8	45.8	64.6	70.8
110°	1.0	18.7	43.7	63.5	69.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.7	41.7	61.4	67.7
115°	1.0	17.7	40.6	58.3	65.6
117.5°	1.0	16.7	38.5	56.2	63.5
120°	1.0	16.7	37.5	54.2	60.4
122.5°	1.0	15.6	35.4	52.1	58.3
125°	1.0	14.6	34.4	50.0	56.2
127.5°	1.0	13.5	33.3	47.9	54.2
130°	1.0	12.5	31.2	45.8	51.0
132.5°	1.0	12.5	30.2	42.7	48.9
135°	1.0	11.5	28.1	40.6	45.8
137.5°	1.0	10.4	26.0	38.5	43.7
140°	1.0	9.4	24.0	36.4	40.6
142.5°	1.0	9.4	21.9	33.3	37.5
145°	1.0	8.3	19.8	31.2	34.4
147.5°	1.0	7.3	17.7	28.1	31.2
150°	1.0	7.3	15.6	25.0	28.1
152.5°	1.0	6.2	13.5	22.9	26.0
155°	1.0	5.2	12.5	19.8	22.9
157.5°	1.0	5.2	10.4	16.7	19.8
160°	1.0	4.2	9.4	13.5	16.7
162.5°	1.0	4.2	8.3	11.5	14.6
165°	1.0	3.1	6.2	9.4	11.5
167.5°	1.0	3.1	5.2	7.3	9.4
170°	1.0	2.1	4.2	5.2	7.3
172.5°	1.0	2.1	3.1	3.1	3.1
175°	1.0	1.0	2.1	2.1	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)