

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: P565580

Luminaire Tested: **2SNX-23SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565580
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-L840-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

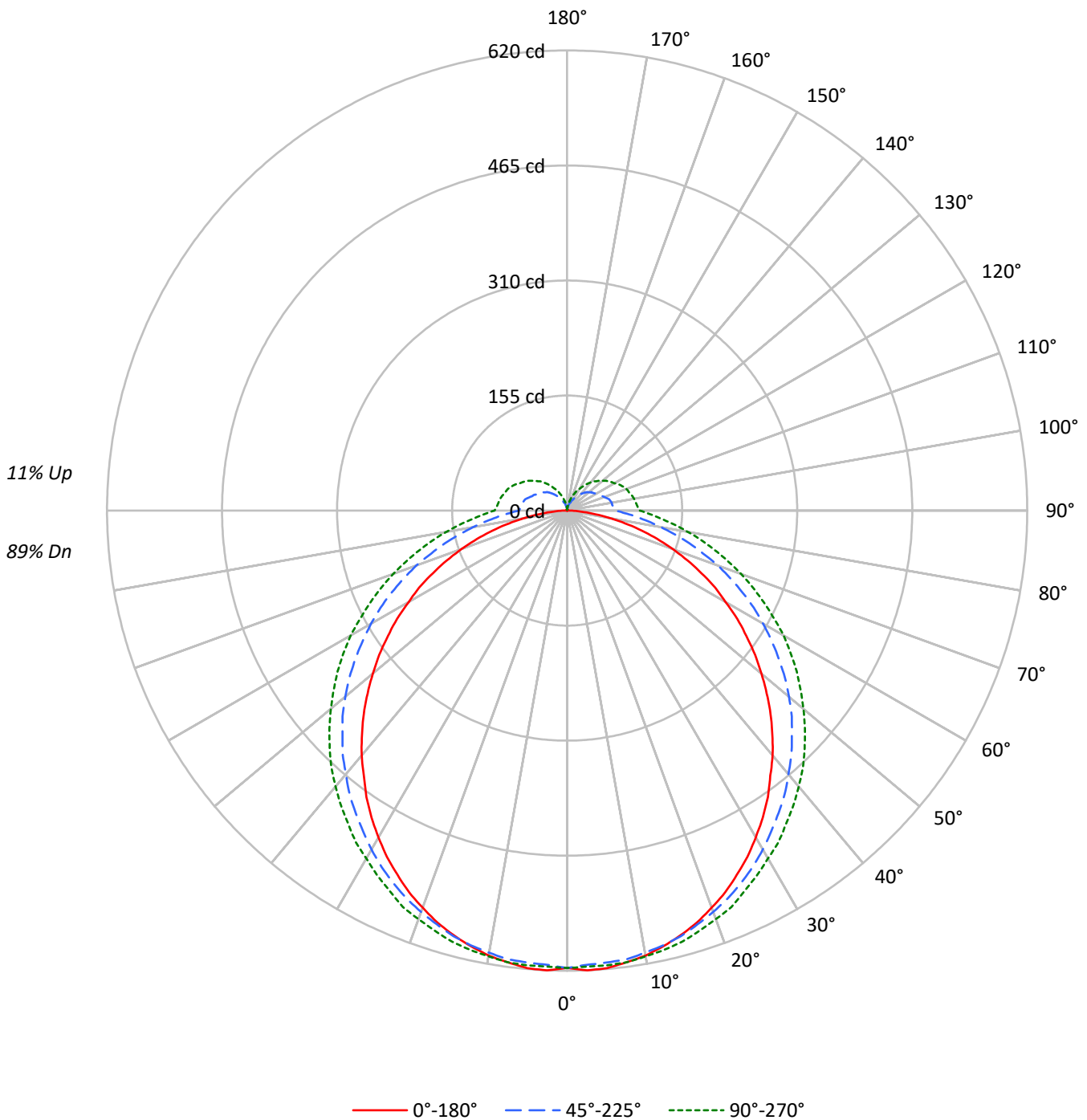
Lumens per Lamp: N/A
Luminaire Lumens: 2194.0 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (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

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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	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°	13268	13268	13268
5°	13324	12910	12915
10°	13209	12635	12595
15°	13053	12351	12302
20°	12848	12030	11973
25°	12614	11716	11632
30°	12340	11373	11291
35°	12039	11021	10973
40°	11699	10670	10669
45°	11330	10313	10340
50°	10908	9937	9971
55°	10446	9490	9609
60°	9901	9010	9204
65°	9332	8472	8697
70°	8543	7879	8200
75°	7505	7134	7649
80°	5871	6368	7104
85°	3837	5704	6548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	2.7
10°-20°	168.3	7.7
20°-30°	255.8	11.7
30°-40°	310.6	14.2
40°-50°	328.2	15.0
50°-60°	307.1	14.0
60°-70°	252.0	11.5
70°-80°	173.3	7.9
80°-90°	94.9	4.3
90°-100°	61.1	2.8
100°-110°	54.8	2.5
110°-120°	45.4	2.1
120°-130°	35.0	1.6
130°-140°	24.6	1.1
140°-150°	14.8	0.7
150°-160°	7.1	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	482.6	22.0
0°-40°	793.2	36.2
0°-60°	1428.5	65.1
0°-90°	1948.7	88.8
90°-120°	161.4	7.4
90°-150°	235.7	10.7
90°-180°	245.0	11.2
0°-180°	2194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	619	618	611	616	615	59
15°	592	595	593	601	601	167
25°	541	548	554	566	566	249
35°	471	483	497	511	515	294
45°	388	405	428	447	452	299
55°	295	319	348	370	377	264
65°	200	226	260	285	292	198
75°	104	132	170	197	206	110
85°	23	55	93	118	127	26
90°	0	30	65	89	98	2
95°	0	29	62	85	94	0
105°	0	24	58	80	88	1
115°	1	22	50	71	80	1
125°	1	18	42	61	69	1
135°	1	14	34	50	56	1
145°	1	10	24	38	42	1
155°	1	6	15	24	28	1
165°	1	4	8	11	14	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°	616.3	616.3	616.3	616.3	616.3
2.5°	620.1	618.8	612.5	617.6	615.0
5°	618.8	617.6	611.2	616.3	615.0
7.5°	613.8	613.8	609.9	615.0	613.8
10°	608.7	608.7	604.9	611.2	609.9
12.5°	601.1	602.3	599.8	607.4	606.1
15°	592.2	594.7	593.4	601.1	601.1
17.5°	582.0	584.5	584.5	593.4	593.4
20°	569.3	573.1	575.6	585.8	585.8
22.5°	556.6	561.7	565.5	574.4	578.2
25°	541.3	547.7	554.0	565.5	565.5
27.5°	526.1	533.7	541.3	552.8	554.0
30°	508.3	517.2	527.3	538.8	541.3
32.5°	490.5	501.9	512.1	526.1	529.9
35°	471.4	482.9	496.9	510.8	514.6
37.5°	449.8	463.8	481.6	496.9	500.7
40°	430.8	446.0	463.8	481.6	485.4
42.5°	409.2	425.7	447.3	463.8	470.2
45°	387.6	405.4	428.2	447.3	452.4
47.5°	364.7	385.0	410.4	428.2	434.6
50°	341.8	363.4	390.1	410.4	415.5
52.5°	319.0	341.8	369.8	390.1	396.5
55°	294.8	319.0	348.2	369.8	377.4
57.5°	271.9	296.1	326.6	349.4	357.1
60°	246.5	274.5	305.0	327.8	336.7
62.5°	224.9	250.3	283.4	306.2	313.9
65°	199.5	226.2	260.5	284.6	292.3
67.5°	175.4	203.3	237.6	263.0	270.7
70°	151.2	179.2	216.0	240.2	249.1
72.5°	127.1	156.3	191.9	218.6	227.5
75°	104.2	132.2	170.3	197.0	205.9
77.5°	80.1	110.6	148.7	175.4	185.5
80°	58.5	90.2	128.3	155.0	165.2
82.5°	39.4	71.2	109.3	136.0	146.1
85°	22.9	54.6	92.8	118.2	127.1
87.5°	11.4	41.9	77.5	102.9	111.8
90°	0.0	30.5	64.8	89.0	97.8
92.5°	0.0	29.2	63.5	86.4	95.3
95°	0.0	29.2	62.3	85.1	94.0
97.5°	0.0	28.0	61.0	85.1	92.8
100°	0.0	26.7	61.0	83.9	91.5
102.5°	0.0	25.4	59.7	82.6	90.2
105°	0.0	24.1	58.5	80.1	87.7
107.5°	1.3	24.1	55.9	78.8	86.4
110°	1.3	22.9	53.4	77.5	85.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.6	50.8	75.0	82.6
115°	1.3	21.6	49.6	71.2	80.1
117.5°	1.3	20.3	47.0	68.6	77.5
120°	1.3	20.3	45.7	66.1	73.7
122.5°	1.3	19.1	43.2	63.5	71.2
125°	1.3	17.8	41.9	61.0	68.6
127.5°	1.3	16.5	40.7	58.5	66.1
130°	1.3	15.2	38.1	55.9	62.3
132.5°	1.3	15.2	36.9	52.1	59.7
135°	1.3	14.0	34.3	49.6	55.9
137.5°	1.3	12.7	31.8	47.0	53.4
140°	1.3	11.4	29.2	44.5	49.6
142.5°	1.3	11.4	26.7	40.7	45.7
145°	1.3	10.2	24.1	38.1	41.9
147.5°	1.3	8.9	21.6	34.3	38.1
150°	1.3	8.9	19.1	30.5	34.3
152.5°	1.3	7.6	16.5	28.0	31.8
155°	1.3	6.4	15.2	24.1	28.0
157.5°	1.3	6.4	12.7	20.3	24.1
160°	1.3	5.1	11.4	16.5	20.3
162.5°	1.3	5.1	10.2	14.0	17.8
165°	1.3	3.8	7.6	11.4	14.0
167.5°	1.3	3.8	6.4	8.9	11.4
170°	1.3	2.5	5.1	6.4	8.9
172.5°	1.3	2.5	3.8	3.8	3.8
175°	1.3	1.3	2.5	2.5	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)