

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: P565578

Luminaire Tested: **2SNX-23SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565578
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-L830-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

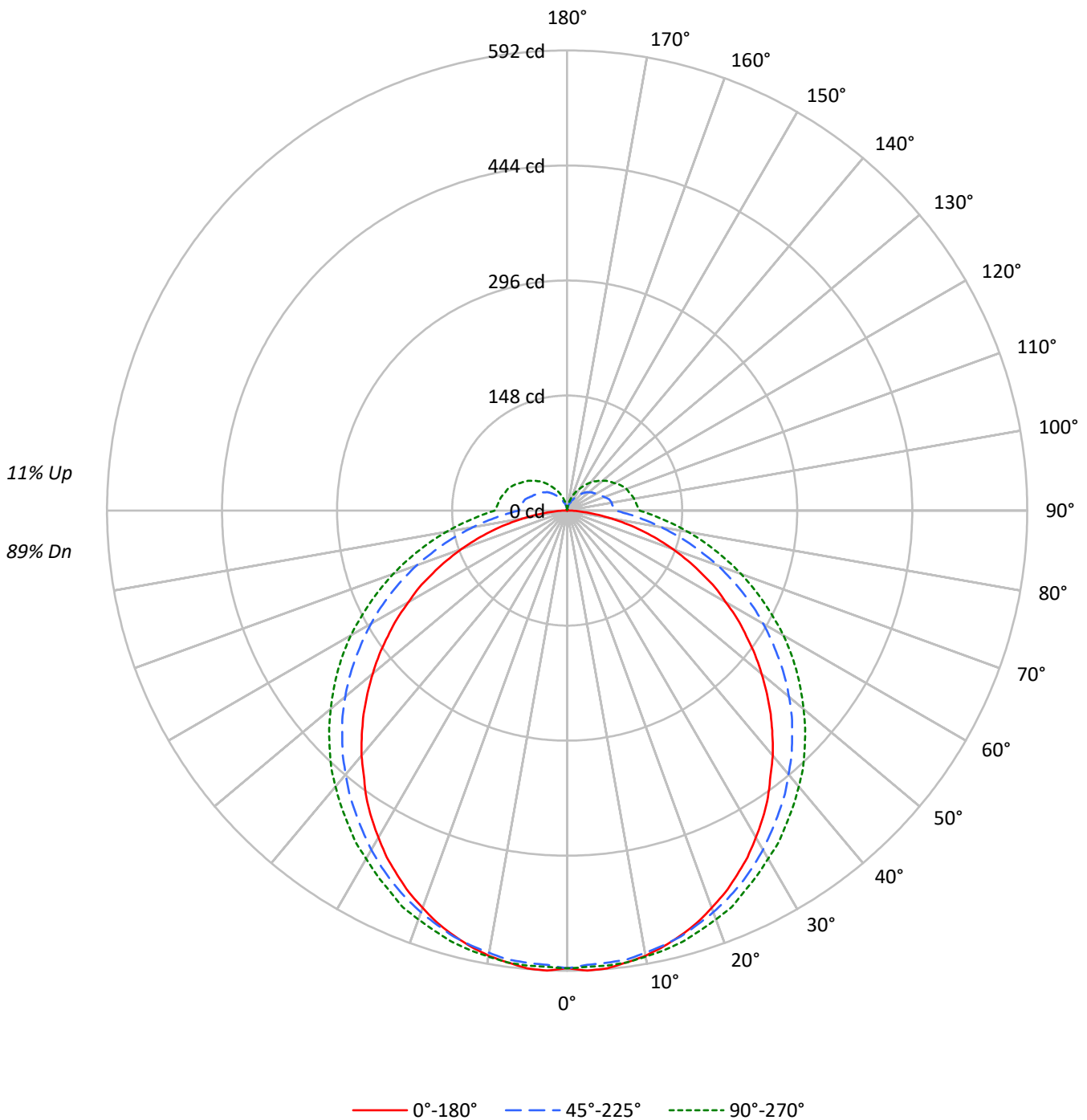
Lumens per Lamp: N/A
Luminaire Lumens: 2096.0 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P565578

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565578

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L830-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°	12676	12676	12676
5°	12730	12333	12340
10°	12619	12069	12033
15°	12469	11800	11752
20°	12275	11493	11438
25°	12050	11194	11111
30°	11789	10867	10787
35°	11503	10528	10485
40°	11175	10193	10192
45°	10825	9853	9879
50°	10423	9494	9527
55°	9978	9064	9179
60°	9460	8609	8794
65°	8916	8094	8307
70°	8164	7529	7831
75°	7166	6815	7307
80°	5600	6085	6786
85°	3669	5446	6254



TEST NUMBER: P565578

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	2.7
10°-20°	160.7	7.7
20°-30°	244.4	11.7
30°-40°	296.7	14.2
40°-50°	313.5	15.0
50°-60°	293.4	14.0
60°-70°	240.7	11.5
70°-80°	165.6	7.9
80°-90°	90.7	4.3
90°-100°	58.4	2.8
100°-110°	52.4	2.5
110°-120°	43.4	2.1
120°-130°	33.4	1.6
130°-140°	23.5	1.1
140°-150°	14.1	0.7
150°-160°	6.8	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	461.1	22.0
0°-40°	757.8	36.2
0°-60°	1364.7	65.1
0°-90°	1861.6	88.8
90°-120°	154.1	7.4
90°-150°	225.1	10.7
90°-180°	234.0	11.2
0°-180°	2096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	591	590	584	589	588	56
15°	566	568	567	574	574	160
25°	517	523	529	540	540	238
35°	450	461	475	488	492	281
45°	370	387	409	427	432	285
55°	282	305	333	353	360	252
65°	191	216	249	272	279	189
75°	100	126	163	188	197	105
85°	22	52	89	113	121	25
90°	0	29	62	85	94	1
95°	0	28	60	81	90	0
105°	0	23	56	76	84	1
115°	1	21	47	68	76	1
125°	1	17	40	58	66	1
135°	1	13	33	47	53	1
145°	1	10	23	36	40	1
155°	1	6	15	23	27	1
165°	1	4	7	11	13	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565578

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	588.8	588.8	588.8	588.8	588.8
2.5°	592.4	591.2	585.1	590.0	587.6
5°	591.2	590.0	583.9	588.8	587.6
7.5°	586.3	586.3	582.7	587.6	586.3
10°	581.5	581.5	577.8	583.9	582.7
12.5°	574.2	575.4	573.0	580.3	579.1
15°	565.7	568.1	566.9	574.2	574.2
17.5°	556.0	558.4	558.4	566.9	566.9
20°	543.9	547.5	549.9	559.6	559.6
22.5°	531.7	536.6	540.2	548.7	552.4
25°	517.1	523.2	529.3	540.2	540.2
27.5°	502.6	509.9	517.1	528.1	529.3
30°	485.6	494.1	503.8	514.7	517.1
32.5°	468.6	479.5	489.2	502.6	506.2
35°	450.4	461.3	474.7	488.0	491.7
37.5°	429.7	443.1	460.1	474.7	478.3
40°	411.5	426.1	443.1	460.1	463.7
42.5°	390.9	406.7	427.3	443.1	449.2
45°	370.3	387.3	409.1	427.3	432.2
47.5°	348.4	367.8	392.1	409.1	415.2
50°	326.6	347.2	372.7	392.1	397.0
52.5°	304.7	326.6	353.3	372.7	378.8
55°	281.6	304.7	332.6	353.3	360.5
57.5°	259.8	282.9	312.0	333.8	341.1
60°	235.5	262.2	291.4	313.2	321.7
62.5°	214.9	239.2	270.7	292.6	299.8
65°	190.6	216.1	248.9	271.9	279.2
67.5°	167.5	194.2	227.0	251.3	258.6
70°	144.5	171.2	206.4	229.4	237.9
72.5°	121.4	149.3	183.3	208.8	217.3
75°	99.5	126.3	162.7	188.2	196.7
77.5°	76.5	105.6	142.0	167.5	177.2
80°	55.8	86.2	122.6	148.1	157.8
82.5°	37.6	68.0	104.4	129.9	139.6
85°	21.9	52.2	88.6	112.9	121.4
87.5°	10.9	40.1	74.1	98.3	106.8
90°	0.0	29.1	61.9	85.0	93.5
92.5°	0.0	27.9	60.7	82.5	91.0
95°	0.0	27.9	59.5	81.3	89.8
97.5°	0.0	26.7	58.3	81.3	88.6
100°	0.0	25.5	58.3	80.1	87.4
102.5°	0.0	24.3	57.1	78.9	86.2
105°	0.0	23.1	55.8	76.5	83.8
107.5°	1.2	23.1	53.4	75.3	82.5
110°	1.2	21.9	51.0	74.1	81.3



TEST NUMBER: P565578

CATALOG NUMBER: 2SNX-23SL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.6	48.6	71.6	78.9
115°	1.2	20.6	47.3	68.0	76.5
117.5°	1.2	19.4	44.9	65.6	74.1
120°	1.2	19.4	43.7	63.1	70.4
122.5°	1.2	18.2	41.3	60.7	68.0
125°	1.2	17.0	40.1	58.3	65.6
127.5°	1.2	15.8	38.8	55.8	63.1
130°	1.2	14.6	36.4	53.4	59.5
132.5°	1.2	14.6	35.2	49.8	57.1
135°	1.2	13.4	32.8	47.3	53.4
137.5°	1.2	12.1	30.3	44.9	51.0
140°	1.2	10.9	27.9	42.5	47.3
142.5°	1.2	10.9	25.5	38.8	43.7
145°	1.2	9.7	23.1	36.4	40.1
147.5°	1.2	8.5	20.6	32.8	36.4
150°	1.2	8.5	18.2	29.1	32.8
152.5°	1.2	7.3	15.8	26.7	30.3
155°	1.2	6.1	14.6	23.1	26.7
157.5°	1.2	6.1	12.1	19.4	23.1
160°	1.2	4.9	10.9	15.8	19.4
162.5°	1.2	4.9	9.7	13.4	17.0
165°	1.2	3.6	7.3	10.9	13.4
167.5°	1.2	3.6	6.1	8.5	10.9
170°	1.2	2.4	4.9	6.1	8.5
172.5°	1.2	2.4	3.6	3.6	3.6
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)