

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: P565570

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565570
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-LW-UNV-L830-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

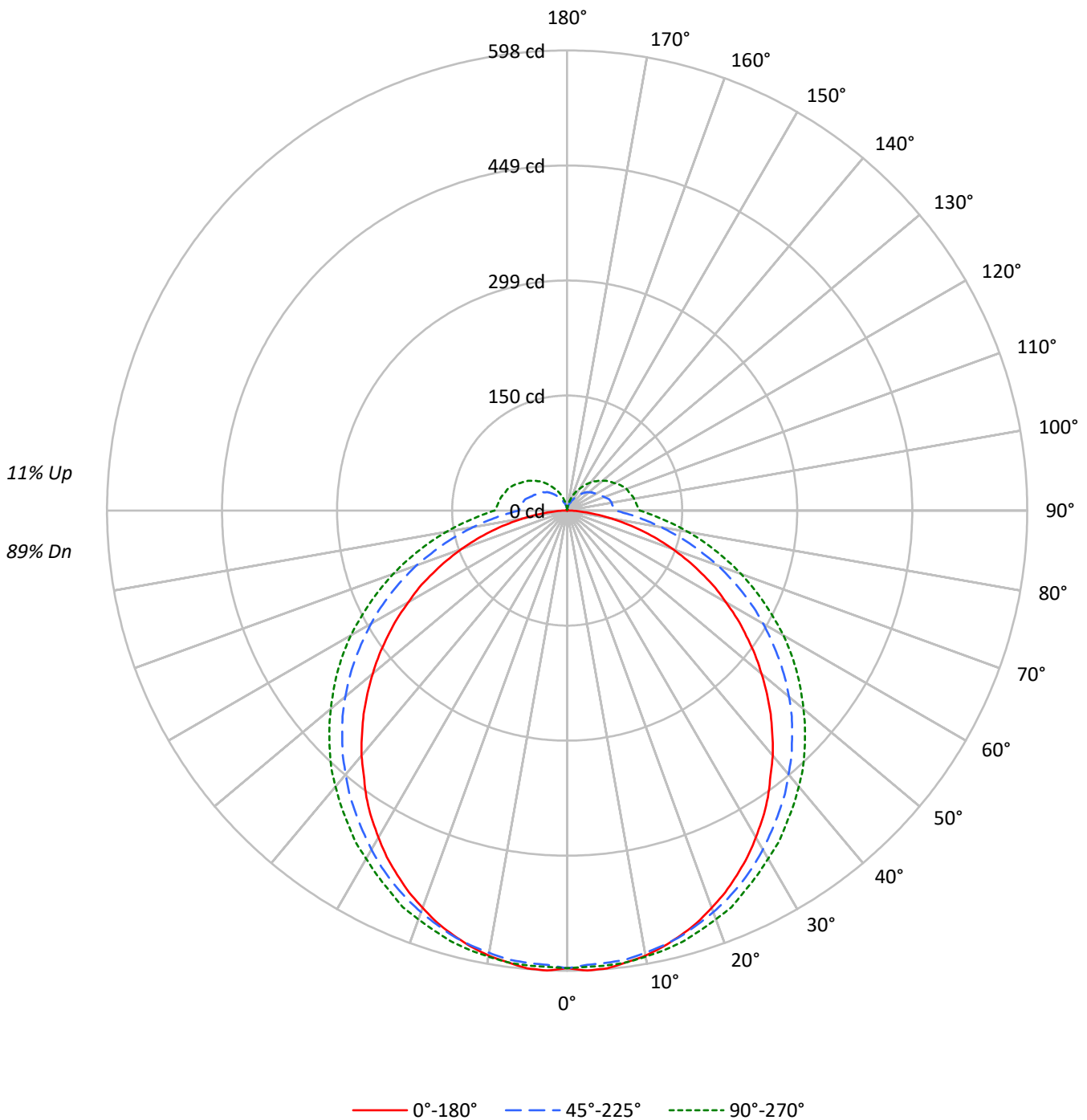
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2117.0 lumens
Efficiency: N/A
Efficacy: 142.1 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: 0.17')
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: P565570
CATALOG NUMBER: 2SNX-23SL-LW-UNV-L830-CD

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°	12803	12803	12803
5°	12810	12180	12117
10°	12652	11666	11511
15°	12457	11174	10967
20°	12214	10665	10420
25°	11942	10181	9886
30°	11631	9683	9375
35°	11296	9187	8897
40°	10919	8703	8441
45°	10511	8220	7973
50°	10048	7724	7482
55°	9542	7176	7002
60°	8951	6605	6492
65°	8319	5992	5912
70°	7472	5339	5341
75°	6376	4587	4736
80°	4748	3830	4133
85°	2796	3130	3513



TEST NUMBER: P565570

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	2.7
10°-20°	162.4	7.7
20°-30°	246.9	11.7
30°-40°	299.7	14.2
40°-50°	316.7	15.0
50°-60°	296.3	14.0
60°-70°	243.1	11.5
70°-80°	167.2	7.9
80°-90°	91.6	4.3
90°-100°	59.0	2.8
100°-110°	52.9	2.5
110°-120°	43.8	2.1
120°-130°	33.7	1.6
130°-140°	23.7	1.1
140°-150°	14.3	0.7
150°-160°	6.8	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	465.7	22.0
0°-40°	765.3	36.2
0°-60°	1378.3	65.1
0°-90°	1880.2	88.8
90°-120°	155.7	7.4
90°-150°	227.4	10.7
90°-180°	237.0	11.2
0°-180°	2117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	595	595	595	595	595	
5°	597	596	590	595	593	57
15°	571	574	573	580	580	161
25°	522	528	535	546	546	241
35°	455	466	479	493	497	284
45°	374	391	413	432	436	288
55°	284	308	336	357	364	255
65°	192	218	251	275	282	191
75°	100	128	164	190	199	106
85°	22	53	90	114	123	26
90°	0	29	62	86	94	2
95°	0	28	60	82	91	0
105°	0	23	56	77	85	1
115°	1	21	48	69	77	1
125°	1	17	40	59	66	1
135°	1	14	33	48	54	1
145°	1	10	23	37	40	1
155°	1	6	15	23	27	1
165°	1	4	7	11	14	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	594.7	594.7	594.7	594.7	594.7
2.5°	598.3	597.1	591.0	595.9	593.4
5°	597.1	595.9	589.8	594.7	593.4
7.5°	592.2	592.2	588.5	593.4	592.2
10°	587.3	587.3	583.6	589.8	588.5
12.5°	580.0	581.2	578.7	586.1	584.9
15°	571.4	573.8	572.6	580.0	580.0
17.5°	561.6	564.0	564.0	572.6	572.6
20°	549.3	553.0	555.4	565.2	565.2
22.5°	537.0	541.9	545.6	554.2	557.9
25°	522.3	528.5	534.6	545.6	545.6
27.5°	507.6	515.0	522.3	533.4	534.6
30°	490.4	499.0	508.8	519.9	522.3
32.5°	473.3	484.3	494.1	507.6	511.3
35°	454.9	465.9	479.4	492.9	496.6
37.5°	434.0	447.5	464.7	479.4	483.1
40°	415.7	430.4	447.5	464.7	468.4
42.5°	394.8	410.8	431.6	447.5	453.7
45°	374.0	391.1	413.2	431.6	436.5
47.5°	351.9	371.5	396.0	413.2	419.3
50°	329.8	350.7	376.4	396.0	400.9
52.5°	307.8	329.8	356.8	376.4	382.6
55°	284.5	307.8	336.0	356.8	364.2
57.5°	262.4	285.7	315.1	337.2	344.5
60°	237.9	264.8	294.3	316.3	324.9
62.5°	217.0	241.5	273.4	295.5	302.9
65°	192.5	218.3	251.4	274.7	282.0
67.5°	169.2	196.2	229.3	253.8	261.2
70°	145.9	172.9	208.4	231.7	240.3
72.5°	122.6	150.8	185.1	210.9	219.5
75°	100.5	127.5	164.3	190.0	198.6
77.5°	77.2	106.7	143.5	169.2	179.0
80°	56.4	87.1	123.8	149.6	159.4
82.5°	38.0	68.7	105.4	131.2	141.0
85°	22.1	52.7	89.5	114.0	122.6
87.5°	11.0	40.5	74.8	99.3	107.9
90°	0.0	29.4	62.5	85.8	94.4
92.5°	0.0	28.2	61.3	83.4	92.0
95°	0.0	28.2	60.1	82.2	90.7
97.5°	0.0	27.0	58.9	82.2	89.5
100°	0.0	25.7	58.9	80.9	88.3
102.5°	0.0	24.5	57.6	79.7	87.1
105°	0.0	23.3	56.4	77.2	84.6
107.5°	1.2	23.3	53.9	76.0	83.4
110°	1.2	22.1	51.5	74.8	82.2



TEST NUMBER: P565570

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.8	49.0	72.3	79.7
115°	1.2	20.8	47.8	68.7	77.2
117.5°	1.2	19.6	45.4	66.2	74.8
120°	1.2	19.6	44.1	63.8	71.1
122.5°	1.2	18.4	41.7	61.3	68.7
125°	1.2	17.2	40.5	58.9	66.2
127.5°	1.2	15.9	39.2	56.4	63.8
130°	1.2	14.7	36.8	53.9	60.1
132.5°	1.2	14.7	35.6	50.3	57.6
135°	1.2	13.5	33.1	47.8	53.9
137.5°	1.2	12.3	30.7	45.4	51.5
140°	1.2	11.0	28.2	42.9	47.8
142.5°	1.2	11.0	25.7	39.2	44.1
145°	1.2	9.8	23.3	36.8	40.5
147.5°	1.2	8.6	20.8	33.1	36.8
150°	1.2	8.6	18.4	29.4	33.1
152.5°	1.2	7.4	15.9	27.0	30.7
155°	1.2	6.1	14.7	23.3	27.0
157.5°	1.2	6.1	12.3	19.6	23.3
160°	1.2	4.9	11.0	15.9	19.6
162.5°	1.2	4.9	9.8	13.5	17.2
165°	1.2	3.7	7.4	11.0	13.5
167.5°	1.2	3.7	6.1	8.6	11.0
170°	1.2	2.5	4.9	6.1	8.6
172.5°	1.2	2.5	3.7	3.7	3.7
175°	1.2	1.2	2.5	2.5	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)