

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: P565550

Luminaire Tested: **2SNX-23SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-FDL-UNV-L930-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

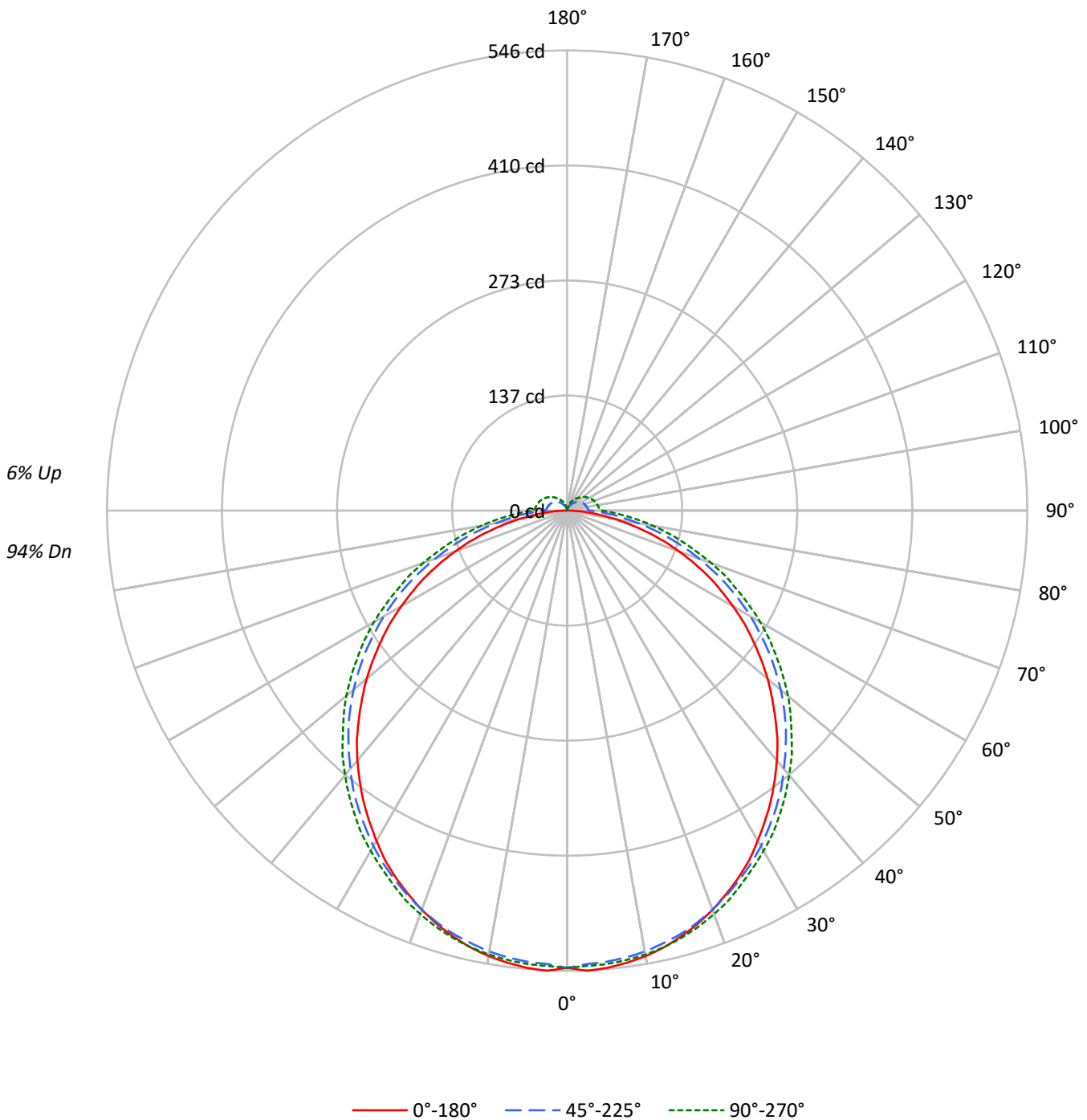
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1724.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11679	11679	11679
5°	11747	11478	11504
10°	11689	11347	11359
15°	11592	11196	11196
20°	11459	11015	11005
25°	11311	10818	10780
30°	11112	10617	10572
35°	10913	10382	10353
40°	10692	10121	10108
45°	10417	9865	9822
50°	10147	9570	9562
55°	9815	9212	9201
60°	9437	8799	8844
65°	9035	8305	8353
70°	8359	7691	7845
75°	7540	6967	7231
80°	6331	6008	6558
85°	4748	5155	5765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	3.0
10°-20°	147.6	8.6
20°-30°	223.7	13.0
30°-40°	270.1	15.7
40°-50°	282.0	16.4
50°-60°	259.1	15.0
60°-70°	204.9	11.9
70°-80°	129.7	7.5
80°-90°	55.8	3.2
90°-100°	24.5	1.4
100°-110°	22.0	1.3
110°-120°	18.6	1.1
120°-130°	14.4	0.8
130°-140°	10.0	0.6
140°-150°	6.0	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	422.8	24.5
0°-40°	692.9	40.2
0°-60°	1234.1	71.6
0°-90°	1624.4	94.2
90°-120°	65.0	3.8
90°-150°	95.5	5.5
90°-180°	100.0	5.8
0°-180°	1724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	545	543	537	542	540	52
15°	523	523	520	526	525	148
25°	481	483	484	490	489	221
35°	421	426	432	438	440	263
45°	349	358	367	374	376	270
55°	269	280	292	301	304	241
65°	185	196	209	219	223	182
75°	98	109	125	136	141	104
85°	24	37	52	64	68	26
90°	2	13	27	38	42	2
95°	0	11	24	34	38	0
105°	0	10	23	32	35	0
115°	0	9	21	29	32	0
125°	1	8	17	25	28	1
135°	1	6	14	20	22	0
145°	1	5	10	15	16	0
155°	1	3	6	10	11	0
165°	1	2	3	5	6	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°	542.5	542.5	542.5	542.5	542.5
2.5°	546.5	544.6	538.5	542.8	540.7
5°	544.6	543.1	537.3	541.9	540.1
7.5°	541.3	540.1	534.9	539.8	537.9
10°	536.7	535.8	531.2	536.1	534.9
12.5°	530.9	530.6	526.0	531.5	530.6
15°	523.0	523.0	520.2	525.7	524.8
17.5°	514.4	514.7	512.6	518.4	517.8
20°	504.0	505.6	504.0	510.1	509.5
22.5°	492.7	494.9	494.3	500.4	500.7
25°	480.8	483.0	483.6	490.0	489.1
27.5°	467.7	471.1	472.3	478.1	477.8
30°	452.4	457.0	459.8	464.7	466.2
32.5°	436.9	442.4	445.7	452.4	454.3
35°	421.3	426.2	431.7	438.4	439.9
37.5°	404.2	409.7	417.0	423.4	425.3
40°	387.1	393.2	400.2	407.3	410.0
42.5°	369.4	375.8	383.5	391.7	394.4
45°	349.3	357.8	367.0	374.0	376.4
47.5°	330.0	339.5	349.3	356.9	359.6
50°	310.5	320.6	330.9	338.0	342.2
52.5°	290.0	301.0	311.4	320.3	323.0
55°	269.3	280.3	291.9	301.3	303.5
57.5°	249.1	259.8	271.4	280.3	284.5
60°	227.1	238.7	251.3	260.1	264.7
62.5°	205.8	217.1	230.5	240.0	243.6
65°	185.3	195.7	209.4	219.2	222.6
67.5°	162.7	174.6	187.8	199.1	203.3
70°	140.4	151.7	166.7	177.4	181.7
72.5°	119.7	130.7	145.6	156.3	160.3
75°	97.7	109.3	125.2	135.9	141.0
77.5°	76.6	89.5	104.7	116.3	122.1
80°	57.1	68.4	84.9	97.7	102.9
82.5°	38.8	51.0	68.1	80.0	85.8
85°	23.8	36.6	52.5	63.8	67.8
87.5°	11.3	23.5	38.2	49.2	54.0
90°	1.5	13.1	26.9	37.6	41.5
92.5°	0.3	11.3	24.7	34.8	38.5
95°	0.3	11.3	24.4	34.2	37.9
97.5°	0.3	11.0	24.1	33.9	37.2
100°	0.3	10.7	23.8	33.3	36.9
102.5°	0.3	10.7	23.2	32.7	36.0
105°	0.3	10.4	22.9	32.1	35.4
107.5°	0.3	10.1	22.3	31.4	34.8
110°	0.3	9.5	22.0	30.5	33.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.2	21.4	29.9	33.0
115°	0.3	8.9	20.8	29.0	32.1
117.5°	0.3	8.5	19.8	28.1	31.1
120°	0.6	8.5	19.2	27.2	29.9
122.5°	0.6	8.2	18.3	26.0	28.7
125°	0.6	7.9	17.4	25.0	27.8
127.5°	0.6	7.6	16.5	23.8	26.3
130°	0.6	7.0	15.9	22.6	25.0
132.5°	0.6	6.7	15.0	21.1	23.5
135°	0.6	6.1	14.0	19.8	22.3
137.5°	0.6	5.8	13.1	18.6	20.8
140°	0.6	5.5	11.9	17.4	19.5
142.5°	0.6	4.9	11.0	16.2	18.0
145°	0.6	4.6	9.8	15.0	16.5
147.5°	0.6	4.0	8.9	13.7	15.3
150°	0.6	3.7	7.9	12.5	14.0
152.5°	0.6	3.4	7.0	11.0	12.5
155°	0.6	3.1	6.4	9.5	11.3
157.5°	0.6	2.7	5.5	8.2	10.1
160°	0.9	2.4	4.9	7.0	8.5
162.5°	0.9	2.1	4.0	5.8	7.6
165°	0.9	2.1	3.4	4.6	6.4
167.5°	0.9	1.8	2.7	3.7	5.2
170°	0.9	1.5	2.4	2.7	4.0
172.5°	0.9	1.2	1.8	1.8	2.1
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)