

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: P565552

Luminaire Tested: **2SNX-23SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565552
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-L940-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

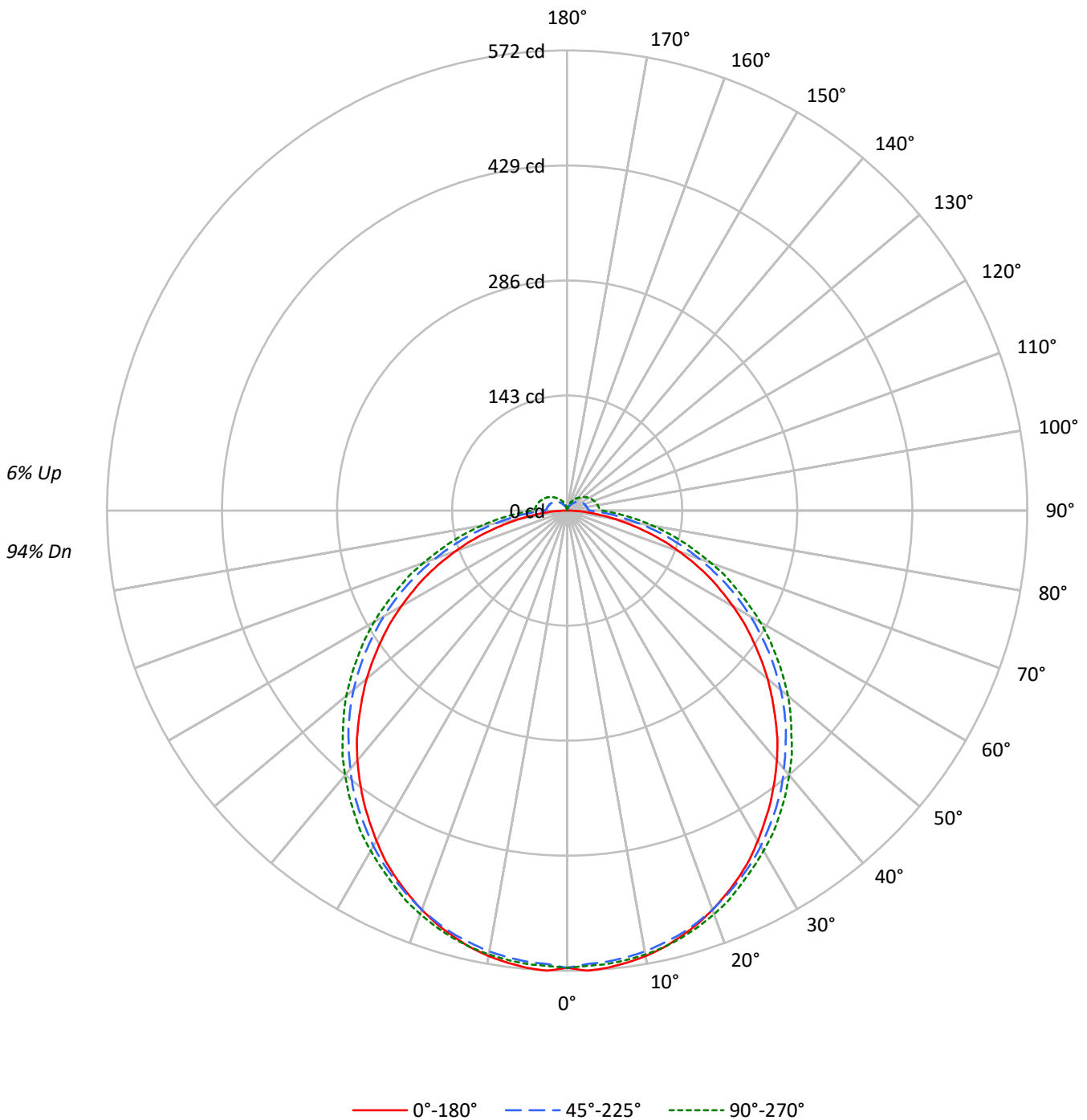
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1806.0 lumens
Efficiency: N/A
Efficacy: 121.2 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	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°	12234	12234	12234
5°	12308	12025	12051
10°	12245	11887	11898
15°	12141	11730	11730
20°	12005	11539	11530
25°	11849	11333	11291
30°	11643	11120	11075
35°	11431	10875	10847
40°	11200	10604	10589
45°	10912	10333	10290
50°	10631	10027	10017
55°	10282	9647	9638
60°	9886	9216	9265
65°	9464	8702	8747
70°	8758	8055	8216
75°	7895	7295	7579
80°	6630	6291	6870
85°	4968	5401	6037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	3.0
10°-20°	154.7	8.6
20°-30°	234.4	13.0
30°-40°	282.9	15.7
40°-50°	295.5	16.4
50°-60°	271.4	15.0
60°-70°	214.6	11.9
70°-80°	135.8	7.5
80°-90°	58.4	3.2
90°-100°	25.7	1.4
100°-110°	23.0	1.3
110°-120°	19.4	1.1
120°-130°	15.1	0.8
130°-140°	10.5	0.6
140°-150°	6.3	0.3
150°-160°	3.1	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	442.9	24.5
0°-40°	725.9	40.2
0°-60°	1292.8	71.6
0°-90°	1701.6	94.2
90°-120°	68.1	3.8
90°-150°	100.0	5.5
90°-180°	104.0	5.8
0°-180°	1806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	568	568	568	568	568	
5°	571	569	563	568	566	54
15°	548	548	545	551	550	155
25°	504	506	507	513	512	232
35°	441	446	452	459	461	276
45°	366	375	384	392	394	283
55°	282	294	306	316	318	252
65°	194	205	219	230	233	191
75°	102	114	131	142	148	108
85°	25	38	55	67	71	28
90°	2	14	28	39	44	2
95°	0	12	26	36	40	0
105°	0	11	24	34	37	0
115°	0	9	22	30	34	0
125°	1	8	18	26	29	1
135°	1	6	15	21	23	0
145°	1	5	10	16	17	0
155°	1	3	7	10	12	0
165°	1	2	4	5	7	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°	568.3	568.3	568.3	568.3	568.3
2.5°	572.5	570.6	564.2	568.6	566.4
5°	570.6	569.0	562.9	567.7	565.8
7.5°	567.0	565.8	560.3	565.4	563.5
10°	562.2	561.3	556.5	561.6	560.3
12.5°	556.2	555.8	551.0	556.8	555.8
15°	547.8	547.8	545.0	550.7	549.8
17.5°	538.9	539.2	537.0	543.0	542.4
20°	528.0	529.6	528.0	534.4	533.8
22.5°	516.2	518.4	517.8	524.2	524.5
25°	503.7	505.9	506.6	513.3	512.3
27.5°	490.0	493.5	494.8	500.8	500.5
30°	474.0	478.8	481.6	486.8	488.4
32.5°	457.7	463.4	466.9	474.0	475.9
35°	441.3	446.5	452.2	459.3	460.9
37.5°	423.4	429.2	436.9	443.6	445.5
40°	405.5	411.9	419.3	426.6	429.5
42.5°	387.0	393.7	401.7	410.3	413.2
45°	365.9	374.8	384.4	391.8	394.3
47.5°	345.7	355.6	365.9	373.9	376.7
50°	325.3	335.8	346.7	354.0	358.5
52.5°	303.8	315.3	326.2	335.5	338.4
55°	282.1	293.6	305.7	315.7	317.9
57.5°	261.0	272.2	284.3	293.6	298.1
60°	237.9	250.1	263.2	272.5	277.3
62.5°	215.6	227.4	241.5	251.4	255.2
65°	194.1	205.0	219.4	229.6	233.1
67.5°	170.5	182.9	196.7	208.5	213.0
70°	147.1	158.9	174.6	185.8	190.3
72.5°	125.4	136.9	152.6	163.7	167.9
75°	102.3	114.5	131.1	142.3	147.8
77.5°	80.3	93.7	109.7	121.9	127.9
80°	59.8	71.6	88.9	102.3	107.8
82.5°	40.6	53.4	71.3	83.8	89.9
85°	24.9	38.4	55.0	66.8	71.0
87.5°	11.8	24.6	40.0	51.5	56.6
90°	1.6	13.8	28.1	39.3	43.5
92.5°	0.3	11.8	25.9	36.5	40.3
95°	0.3	11.8	25.6	35.8	39.7
97.5°	0.3	11.5	25.3	35.5	39.0
100°	0.3	11.2	24.9	34.9	38.7
102.5°	0.3	11.2	24.3	34.2	37.7
105°	0.3	10.9	24.0	33.6	37.1
107.5°	0.3	10.6	23.3	32.9	36.5
110°	0.3	9.9	23.0	32.0	35.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.6	22.4	31.3	34.5
115°	0.3	9.3	21.7	30.4	33.6
117.5°	0.3	9.0	20.8	29.4	32.6
120°	0.6	9.0	20.1	28.5	31.3
122.5°	0.6	8.6	19.2	27.2	30.1
125°	0.6	8.3	18.2	26.2	29.1
127.5°	0.6	8.0	17.3	24.9	27.5
130°	0.6	7.4	16.6	23.7	26.2
132.5°	0.6	7.0	15.7	22.1	24.6
135°	0.6	6.4	14.7	20.8	23.3
137.5°	0.6	6.1	13.8	19.5	21.7
140°	0.6	5.8	12.5	18.2	20.5
142.5°	0.6	5.1	11.5	17.0	18.9
145°	0.6	4.8	10.2	15.7	17.3
147.5°	0.6	4.2	9.3	14.4	16.0
150°	0.6	3.8	8.3	13.1	14.7
152.5°	0.6	3.5	7.4	11.5	13.1
155°	0.6	3.2	6.7	9.9	11.8
157.5°	0.6	2.9	5.8	8.6	10.6
160°	1.0	2.6	5.1	7.4	9.0
162.5°	1.0	2.2	4.2	6.1	8.0
165°	1.0	2.2	3.5	4.8	6.7
167.5°	1.0	1.9	2.9	3.8	5.4
170°	1.0	1.6	2.6	2.9	4.2
172.5°	1.0	1.3	1.9	1.9	2.2
175°	1.0	1.3	1.6	1.6	1.0
177.5°	1.0	1.0	1.0	1.0	0.6
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)