

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: P565548

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565548
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-L840-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

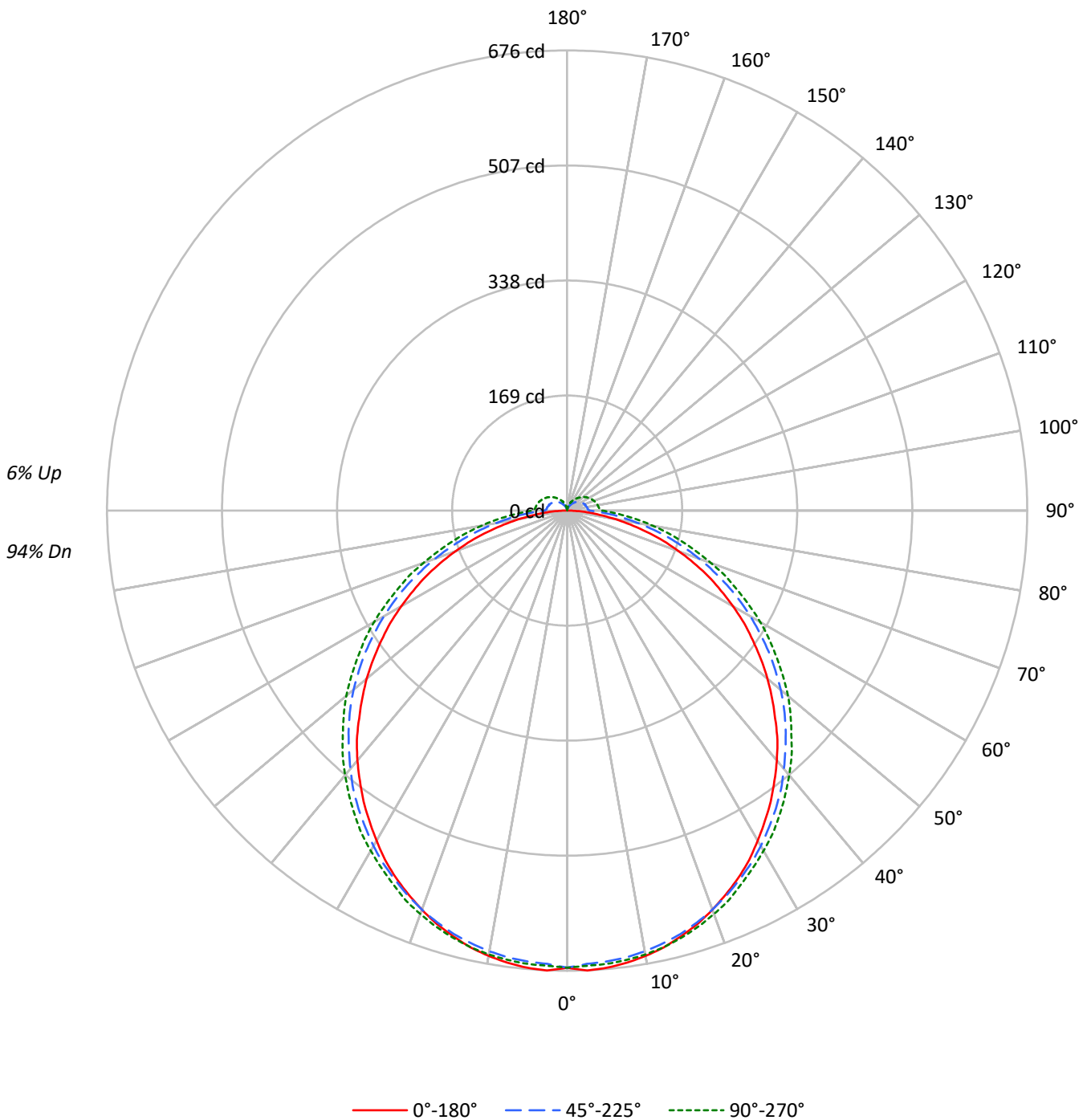
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2134.0 lumens
Efficiency: N/A
Efficacy: 143.2 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 (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

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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°	14456	14456	14456
5°	14543	14208	14239
10°	14468	14045	14060
15°	14346	13858	13859
20°	14186	13635	13623
25°	14002	13391	13343
30°	13755	13141	13086
35°	13508	12851	12817
40°	13235	12528	12512
45°	12893	12209	12161
50°	12559	11846	11836
55°	12148	11402	11387
60°	11686	10890	10945
65°	11186	10280	10339
70°	10347	9518	9710
75°	9331	8619	8954
80°	7839	7437	8120
85°	5885	6383	7134



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	3.0
10°-20°	182.7	8.6
20°-30°	276.9	13.0
30°-40°	334.3	15.7
40°-50°	349.1	16.4
50°-60°	320.7	15.0
60°-70°	253.6	11.9
70°-80°	160.5	7.5
80°-90°	69.0	3.2
90°-100°	30.4	1.4
100°-110°	27.2	1.3
110°-120°	23.0	1.1
120°-130°	17.9	0.8
130°-140°	12.4	0.6
140°-150°	7.4	0.3
150°-160°	3.6	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	523.4	24.5
0°-40°	857.7	40.2
0°-60°	1527.5	71.6
0°-90°	2010.7	94.2
90°-120°	80.5	3.8
90°-150°	118.2	5.5
90°-180°	123.0	5.8
0°-180°	2134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	674	672	665	671	668	64
15°	647	647	644	651	650	183
25°	595	598	599	606	605	274
35°	522	528	534	543	545	326
45°	432	443	454	463	466	334
55°	333	347	361	373	376	298
65°	229	242	259	271	276	226
75°	121	135	155	168	175	128
85°	30	45	65	79	84	33
90°	2	16	33	46	51	2
95°	0	14	30	42	47	0
105°	0	13	28	40	44	0
115°	0	11	26	36	40	0
125°	1	10	22	31	34	1
135°	1	8	17	25	28	1
145°	1	6	12	18	20	1
155°	1	4	8	12	14	0
165°	1	3	4	6	8	0
175°	1	2	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°	671.5	671.5	671.5	671.5	671.5
2.5°	676.4	674.2	666.6	671.9	669.3
5°	674.2	672.3	665.1	670.8	668.5
7.5°	670.0	668.5	662.1	668.1	665.9
10°	664.3	663.2	657.5	663.6	662.1
12.5°	657.2	656.8	651.1	657.9	656.8
15°	647.3	647.3	643.9	650.7	649.6
17.5°	636.8	637.1	634.5	641.7	640.9
20°	623.9	625.8	623.9	631.5	630.7
22.5°	609.9	612.6	611.8	619.4	619.8
25°	595.2	597.8	598.6	606.5	605.4
27.5°	578.9	583.1	584.6	591.8	591.4
30°	560.0	565.7	569.1	575.2	577.1
32.5°	540.8	547.6	551.7	560.0	562.3
35°	521.5	527.5	534.4	542.7	544.6
37.5°	500.3	507.1	516.2	524.1	526.4
40°	479.2	486.7	495.4	504.1	507.5
42.5°	457.3	465.2	474.6	484.8	488.2
45°	432.3	442.9	454.2	462.9	466.0
47.5°	408.5	420.2	432.3	441.8	445.2
50°	384.3	396.8	409.6	418.3	423.6
52.5°	359.0	372.6	385.5	396.4	399.8
55°	333.3	346.9	361.3	373.0	375.6
57.5°	308.4	321.6	336.0	346.9	352.2
60°	281.2	295.5	311.0	322.0	327.6
62.5°	254.7	268.7	285.3	297.0	301.6
65°	229.4	242.2	259.2	271.3	275.5
67.5°	201.4	216.2	232.4	246.4	251.7
70°	173.8	187.8	206.3	219.6	224.9
72.5°	148.1	161.7	180.3	193.5	198.4
75°	120.9	135.3	154.9	168.2	174.6
77.5°	94.9	110.7	129.6	144.0	151.2
80°	70.7	84.6	105.1	120.9	127.4
82.5°	48.0	63.1	84.3	99.0	106.2
85°	29.5	45.3	65.0	79.0	83.9
87.5°	14.0	29.1	47.2	60.8	66.9
90°	1.9	16.2	33.3	46.5	51.4
92.5°	0.4	14.0	30.6	43.1	47.6
95°	0.4	14.0	30.2	42.3	46.9
97.5°	0.4	13.6	29.9	41.9	46.1
100°	0.4	13.2	29.5	41.2	45.7
102.5°	0.4	13.2	28.7	40.4	44.6
105°	0.4	12.8	28.3	39.7	43.8
107.5°	0.4	12.5	27.6	38.9	43.1
110°	0.4	11.7	27.2	37.8	41.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	11.3	26.5	37.0	40.8
115°	0.4	11.0	25.7	35.9	39.7
117.5°	0.4	10.6	24.6	34.8	38.5
120°	0.8	10.6	23.8	33.6	37.0
122.5°	0.8	10.2	22.7	32.1	35.5
125°	0.8	9.8	21.5	31.0	34.4
127.5°	0.8	9.4	20.4	29.5	32.5
130°	0.8	8.7	19.7	28.0	31.0
132.5°	0.8	8.3	18.5	26.1	29.1
135°	0.8	7.6	17.4	24.6	27.6
137.5°	0.8	7.2	16.2	23.1	25.7
140°	0.8	6.8	14.7	21.5	24.2
142.5°	0.8	6.0	13.6	20.0	22.3
145°	0.8	5.7	12.1	18.5	20.4
147.5°	0.8	4.9	11.0	17.0	18.9
150°	0.8	4.5	9.8	15.5	17.4
152.5°	0.8	4.2	8.7	13.6	15.5
155°	0.8	3.8	7.9	11.7	14.0
157.5°	0.8	3.4	6.8	10.2	12.5
160°	1.1	3.0	6.0	8.7	10.6
162.5°	1.1	2.6	4.9	7.2	9.4
165°	1.1	2.6	4.2	5.7	7.9
167.5°	1.1	2.3	3.4	4.5	6.4
170°	1.1	1.9	3.0	3.4	4.9
172.5°	1.1	1.5	2.3	2.3	2.6
175°	1.1	1.5	1.9	1.9	1.1
177.5°	1.1	1.1	1.1	1.1	0.8
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)