

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: P566135

Luminaire Tested: **4SNX-22SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566135
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: 4SNX-22SL-FDL-UNV-L835-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

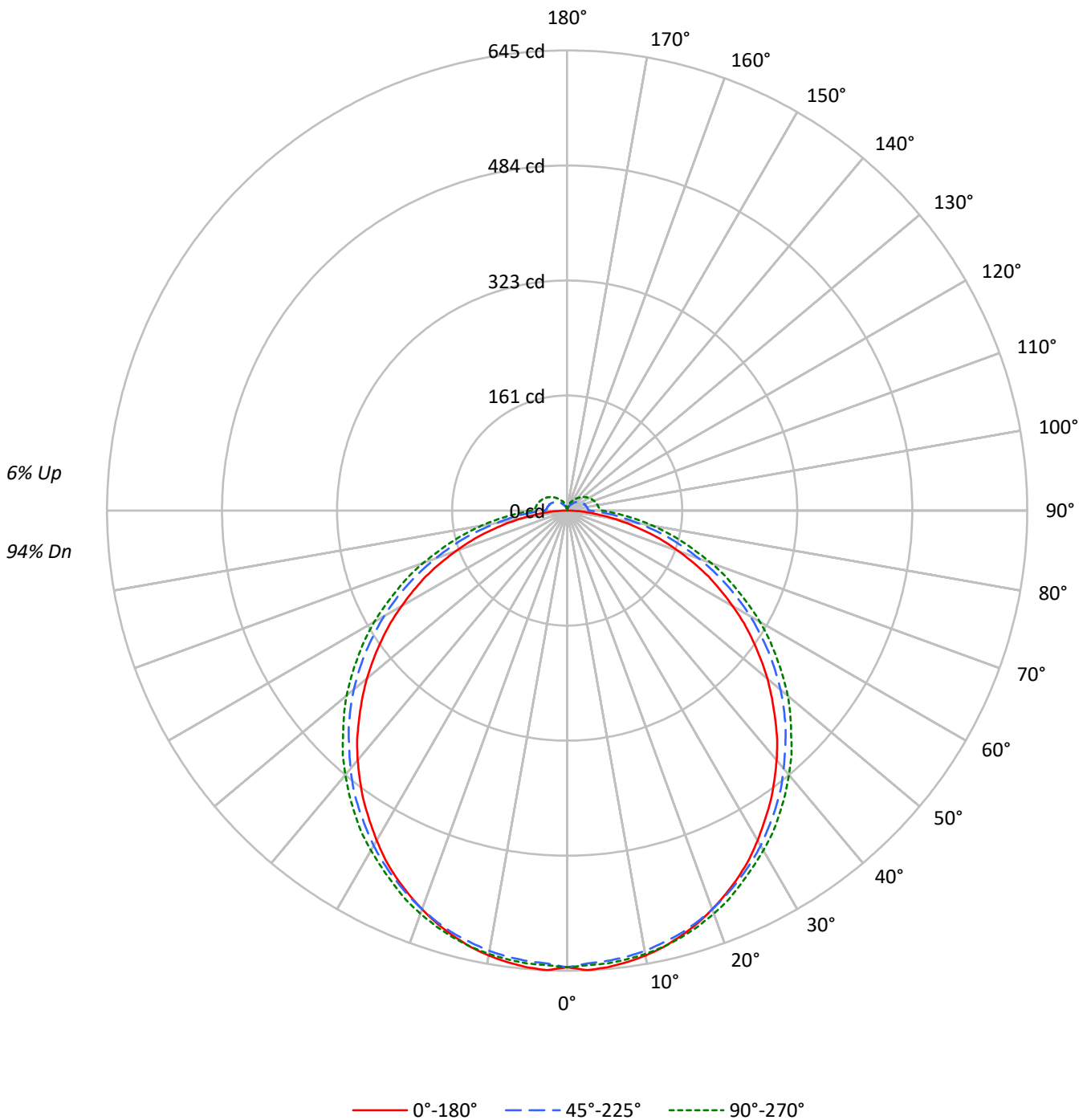
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2034.0 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 13.8
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°	6890	6890	6890
5°	6937	6775	6786
10°	6908	6702	6701
15°	6856	6618	6605
20°	6786	6515	6493
25°	6705	6402	6359
30°	6595	6287	6236
35°	6485	6153	6107
40°	6362	6004	5963
45°	6209	5858	5795
50°	6059	5689	5641
55°	5875	5481	5427
60°	5667	5244	5217
65°	5446	4961	4927
70°	5070	4606	4626
75°	4616	4186	4267
80°	3945	3628	3869
85°	3101	3149	3401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	3.0
10°-20°	174.2	8.6
20°-30°	264.0	13.0
30°-40°	318.7	15.7
40°-50°	332.8	16.4
50°-60°	305.7	15.0
60°-70°	241.7	11.9
70°-80°	153.0	7.5
80°-90°	65.8	3.2
90°-100°	29.0	1.4
100°-110°	25.9	1.3
110°-120°	21.9	1.1
120°-130°	17.1	0.8
130°-140°	11.8	0.6
140°-150°	7.1	0.3
150°-160°	3.5	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	498.9	24.5
0°-40°	817.5	40.2
0°-60°	1456.0	71.6
0°-90°	1916.5	94.2
90°-120°	76.7	3.8
90°-150°	112.7	5.5
90°-180°	118.0	5.8
0°-180°	2034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	643	641	634	639	637	61
15°	617	617	614	620	619	174
25°	567	570	570	578	577	261
35°	497	503	509	517	519	311
45°	412	422	433	441	444	318
55°	318	331	344	356	358	284
65°	219	231	247	259	263	215
75°	115	129	148	160	166	122
85°	28	43	62	75	80	31
90°	2	16	32	44	49	2
95°	0	13	29	40	45	0
105°	0	12	27	38	42	0
115°	0	10	24	34	38	0
125°	1	9	20	30	33	1
135°	1	7	17	23	26	1
145°	1	5	12	18	20	0
155°	1	4	8	11	13	0
165°	1	2	4	5	8	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°	640.1	640.1	640.1	640.1	640.1
2.5°	644.7	642.6	635.4	640.4	637.9
5°	642.6	640.8	633.9	639.3	637.2
7.5°	638.6	637.2	631.1	636.8	634.7
10°	633.2	632.1	626.7	632.5	631.1
12.5°	626.4	626.0	620.6	627.1	626.0
15°	617.0	617.0	613.8	620.3	619.2
17.5°	606.9	607.3	604.8	611.6	610.9
20°	594.7	596.5	594.7	601.9	601.2
22.5°	581.4	583.9	583.2	590.4	590.7
25°	567.3	569.8	570.5	578.1	577.0
27.5°	551.8	555.8	557.2	564.1	563.7
30°	533.8	539.2	542.4	548.2	550.0
32.5°	515.4	521.9	525.9	533.8	536.0
35°	497.1	502.8	509.3	517.2	519.0
37.5°	476.9	483.4	492.0	499.6	501.7
40°	456.7	463.9	472.2	480.5	483.7
42.5°	435.8	443.4	452.4	462.1	465.4
45°	412.1	422.1	433.0	441.2	444.1
47.5°	389.4	400.5	412.1	421.1	424.3
50°	366.3	378.2	390.4	398.7	403.8
52.5°	342.2	355.1	367.4	377.8	381.1
55°	317.7	330.7	344.3	355.5	358.0
57.5°	293.9	306.5	320.2	330.7	335.7
60°	268.0	281.7	296.4	306.9	312.3
62.5°	242.8	256.1	271.9	283.1	287.4
65°	218.6	230.9	247.1	258.6	262.6
67.5°	192.0	206.0	221.5	234.8	239.9
70°	165.7	179.0	196.7	209.3	214.3
72.5°	141.2	154.2	171.8	184.4	189.1
75°	115.3	128.9	147.7	160.3	166.4
77.5°	90.4	105.5	123.5	137.2	144.1
80°	67.4	80.7	100.1	115.3	121.4
82.5°	45.7	60.2	80.3	94.4	101.2
85°	28.1	43.2	62.0	75.3	80.0
87.5°	13.3	27.7	45.0	58.0	63.8
90°	1.8	15.5	31.7	44.3	49.0
92.5°	0.4	13.3	29.2	41.1	45.4
95°	0.4	13.3	28.8	40.3	44.7
97.5°	0.4	13.0	28.5	40.0	43.9
100°	0.4	12.6	28.1	39.3	43.6
102.5°	0.4	12.6	27.4	38.5	42.5
105°	0.4	12.2	27.0	37.8	41.8
107.5°	0.4	11.9	26.3	37.1	41.1
110°	0.4	11.2	25.9	36.0	40.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	10.8	25.2	35.3	38.9
115°	0.4	10.4	24.5	34.2	37.8
117.5°	0.4	10.1	23.4	33.1	36.7
120°	0.7	10.1	22.7	32.1	35.3
122.5°	0.7	9.7	21.6	30.6	33.9
125°	0.7	9.4	20.5	29.5	32.8
127.5°	0.7	9.0	19.5	28.1	31.0
130°	0.7	8.3	18.7	26.7	29.5
132.5°	0.7	7.9	17.6	24.9	27.7
135°	0.7	7.2	16.6	23.4	26.3
137.5°	0.7	6.8	15.5	22.0	24.5
140°	0.7	6.5	14.0	20.5	23.1
142.5°	0.7	5.8	13.0	19.1	21.3
145°	0.7	5.4	11.5	17.6	19.5
147.5°	0.7	4.7	10.4	16.2	18.0
150°	0.7	4.3	9.4	14.8	16.6
152.5°	0.7	4.0	8.3	13.0	14.8
155°	0.7	3.6	7.6	11.2	13.3
157.5°	0.7	3.2	6.5	9.7	11.9
160°	1.1	2.9	5.8	8.3	10.1
162.5°	1.1	2.5	4.7	6.8	9.0
165°	1.1	2.5	4.0	5.4	7.6
167.5°	1.1	2.2	3.2	4.3	6.1
170°	1.1	1.8	2.9	3.2	4.7
172.5°	1.1	1.4	2.2	2.2	2.5
175°	1.1	1.4	1.8	1.8	1.1
177.5°	1.1	1.1	1.1	1.1	0.7
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)