

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: P566330

Luminaire Tested: **4SNX-37SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566330
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-37SL-FDL-UNV-L930-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

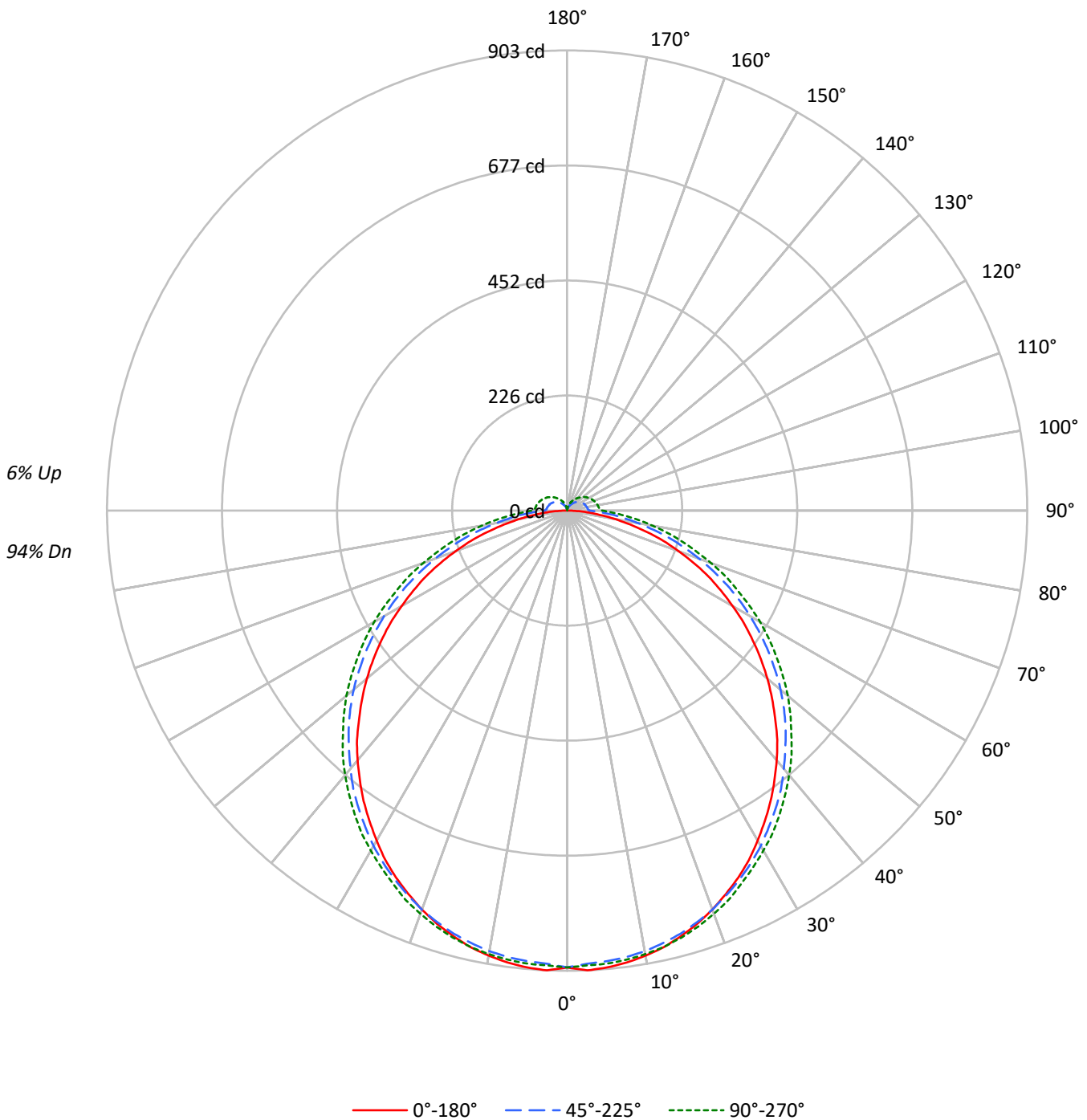
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2849.0 lumens
Efficiency: N/A
Efficacy: 118.7 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): 24
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°	9650	9650	9650
5°	9717	9490	9505
10°	9676	9388	9385
15°	9604	9269	9252
20°	9506	9126	9093
25°	9392	8968	8907
30°	9238	8807	8735
35°	9082	8619	8555
40°	8911	8410	8353
45°	8696	8204	8117
50°	8487	7969	7902
55°	8229	7678	7602
60°	7938	7345	7307
65°	7628	6949	6901
70°	7101	6451	6480
75°	6461	5864	5977
80°	5519	5085	5417
85°	4348	4409	4761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	3.0
10°-20°	244.0	8.6
20°-30°	369.7	13.0
30°-40°	446.3	15.7
40°-50°	466.1	16.4
50°-60°	428.2	15.0
60°-70°	338.6	11.9
70°-80°	214.3	7.5
80°-90°	92.1	3.2
90°-100°	40.6	1.4
100°-110°	36.3	1.3
110°-120°	30.6	1.1
120°-130°	23.9	0.8
130°-140°	16.5	0.6
140°-150°	9.9	0.3
150°-160°	4.8	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	698.7	24.5
0°-40°	1145.1	40.2
0°-60°	2039.4	71.6
0°-90°	2684.4	94.2
90°-120°	107.5	3.8
90°-150°	157.8	5.5
90°-180°	165.0	5.8
0°-180°	2849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	900	898	888	896	892	85
15°	864	864	860	869	867	244
25°	795	798	799	810	808	366
35°	696	704	713	724	727	435
45°	577	591	606	618	622	446
55°	445	463	482	498	502	398
65°	306	323	346	362	368	302
75°	161	181	207	224	233	171
85°	39	60	87	105	112	44
90°	2	22	44	62	69	3
95°	0	19	40	56	63	0
105°	0	17	38	53	58	1
115°	0	15	34	48	53	1
125°	1	13	29	41	46	1
135°	1	10	23	33	37	1
145°	1	8	16	25	27	1
155°	1	5	11	16	19	0
165°	2	4	6	8	11	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	896.5	896.5	896.5	896.5	896.5
2.5°	903.1	900.1	890.0	897.0	893.5
5°	900.1	897.5	887.9	895.5	892.5
7.5°	894.5	892.5	883.9	892.0	889.0
10°	886.9	885.4	877.9	885.9	883.9
12.5°	877.4	876.9	869.3	878.4	876.9
15°	864.2	864.2	859.7	868.8	867.3
17.5°	850.1	850.6	847.1	856.7	855.7
20°	833.0	835.5	833.0	843.0	842.0
22.5°	814.3	817.8	816.8	826.9	827.4
25°	794.6	798.1	799.2	809.7	808.2
27.5°	772.9	778.5	780.5	790.1	789.6
30°	747.7	755.3	759.8	767.9	770.4
32.5°	722.0	731.0	736.6	747.7	750.7
35°	696.2	704.3	713.4	724.5	727.0
37.5°	668.0	677.1	689.2	699.8	702.8
40°	639.7	649.8	661.4	673.0	677.6
42.5°	610.5	621.1	633.7	647.3	651.8
45°	577.2	591.3	606.4	618.0	622.1
47.5°	545.4	561.0	577.2	589.8	594.3
50°	513.1	529.7	546.9	558.5	565.6
52.5°	479.3	497.5	514.6	529.2	533.8
55°	445.0	463.1	482.3	498.0	501.5
57.5°	411.7	429.3	448.5	463.1	470.2
60°	375.4	394.5	415.2	429.8	437.4
62.5°	340.0	358.7	380.9	396.6	402.6
65°	306.2	323.4	346.1	362.2	367.8
67.5°	268.9	288.6	310.3	328.9	336.0
70°	232.1	250.7	275.5	293.1	300.2
72.5°	197.8	215.9	240.7	258.3	264.9
75°	161.4	180.6	206.9	224.5	233.1
77.5°	126.6	147.8	173.0	192.2	201.8
80°	94.3	113.0	140.3	161.4	170.0
82.5°	64.1	84.3	112.5	132.2	141.8
85°	39.4	60.5	86.8	105.4	112.0
87.5°	18.7	38.8	63.1	81.2	89.3
90°	2.5	21.7	44.4	62.1	68.6
92.5°	0.5	18.7	40.9	57.5	63.6
95°	0.5	18.7	40.4	56.5	62.6
97.5°	0.5	18.2	39.9	56.0	61.6
100°	0.5	17.7	39.4	55.0	61.0
102.5°	0.5	17.7	38.3	54.0	59.5
105°	0.5	17.2	37.8	53.0	58.5
107.5°	0.5	16.6	36.8	52.0	57.5
110°	0.5	15.6	36.3	50.5	56.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.1	35.3	49.4	54.5
115°	0.5	14.6	34.3	47.9	53.0
117.5°	0.5	14.1	32.8	46.4	51.5
120°	1.0	14.1	31.8	44.9	49.4
122.5°	1.0	13.6	30.3	42.9	47.4
125°	1.0	13.1	28.8	41.4	45.9
127.5°	1.0	12.6	27.2	39.4	43.4
130°	1.0	11.6	26.2	37.3	41.4
132.5°	1.0	11.1	24.7	34.8	38.8
135°	1.0	10.1	23.2	32.8	36.8
137.5°	1.0	9.6	21.7	30.8	34.3
140°	1.0	9.1	19.7	28.8	32.3
142.5°	1.0	8.1	18.2	26.7	29.8
145°	1.0	7.6	16.1	24.7	27.2
147.5°	1.0	6.6	14.6	22.7	25.2
150°	1.0	6.1	13.1	20.7	23.2
152.5°	1.0	5.5	11.6	18.2	20.7
155°	1.0	5.0	10.6	15.6	18.7
157.5°	1.0	4.5	9.1	13.6	16.6
160°	1.5	4.0	8.1	11.6	14.1
162.5°	1.5	3.5	6.6	9.6	12.6
165°	1.5	3.5	5.5	7.6	10.6
167.5°	1.5	3.0	4.5	6.1	8.6
170°	1.5	2.5	4.0	4.5	6.6
172.5°	1.5	2.0	3.0	3.0	3.5
175°	1.5	2.0	2.5	2.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)