

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: P566333

Luminaire Tested: **4SNX-37SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566333  
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-L950-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

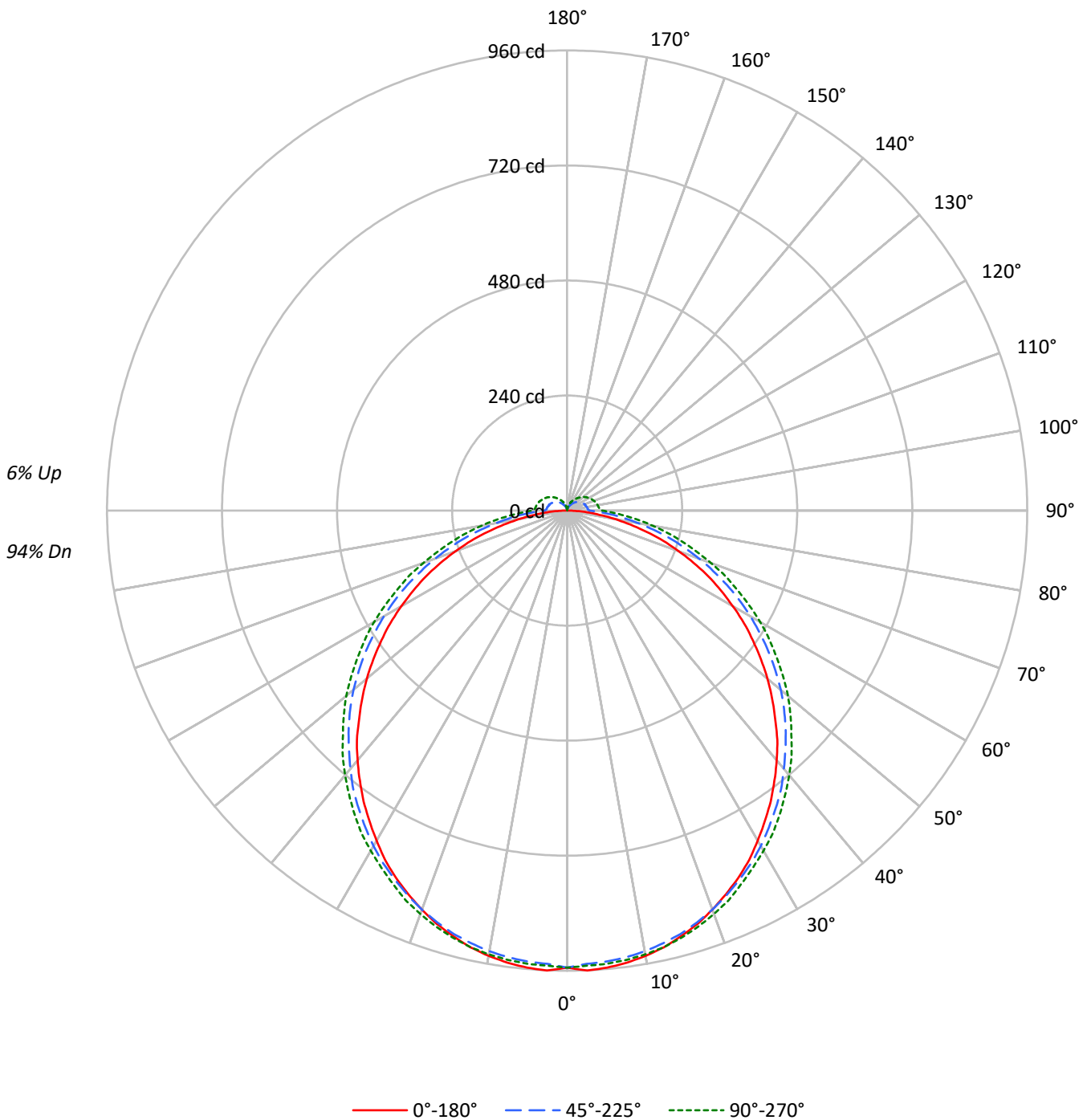
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3030.0 lumens  
Efficiency: N/A  
Efficacy: 126.3 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<sub>in</sub>): 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°	10263	10263	10263
5°	10333	10094	10109
10°	10291	9984	9982
15°	10214	9858	9839
20°	10109	9705	9671
25°	9988	9537	9473
30°	9825	9367	9289
35°	9660	9166	9098
40°	9478	8944	8883
45°	9247	8726	8632
50°	9026	8475	8403
55°	8752	8167	8085
60°	8442	7812	7771
65°	8114	7391	7340
70°	7551	6861	6893
75°	6874	6236	6356
80°	5870	5408	5761
85°	4624	4689	5063



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.4	3.0
10°-20°	259.5	8.6
20°-30°	393.2	13.0
30°-40°	474.7	15.7
40°-50°	495.7	16.4
50°-60°	455.4	15.0
60°-70°	360.1	11.9
70°-80°	227.9	7.5
80°-90°	98.0	3.2
90°-100°	43.1	1.4
100°-110°	38.6	1.3
110°-120°	32.6	1.1
120°-130°	25.4	0.8
130°-140°	17.6	0.6
140°-150°	10.6	0.3
150°-160°	5.2	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	743.1	24.5
0°-40°	1217.8	40.2
0°-60°	2168.9	71.6
0°-90°	2854.9	94.2
90°-120°	114.3	3.8
90°-150°	167.9	5.5
90°-180°	175.0	5.8
0°-180°	3030.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	957	955	944	952	949	91
15°	919	919	914	924	922	259
25°	845	849	850	861	860	389
35°	740	749	759	770	773	463
45°	614	629	645	657	662	474
55°	473	493	513	530	533	423
65°	326	344	368	385	391	321
75°	172	192	220	239	248	182
85°	42	64	92	112	119	46
90°	3	23	47	66	73	4
95°	0	20	43	60	66	0
105°	0	18	40	56	62	1
115°	0	16	36	51	56	1
125°	1	14	31	44	49	1
135°	1	11	25	35	39	1
145°	1	8	17	26	29	1
155°	1	5	11	17	20	1
165°	2	4	6	8	11	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	953.5	953.5	953.5	953.5	953.5
2.5°	960.5	957.2	946.5	954.0	950.3
5°	957.2	954.6	944.4	952.4	949.2
7.5°	951.3	949.2	940.1	948.7	945.4
10°	943.3	941.7	933.6	942.2	940.1
12.5°	933.1	932.6	924.5	934.2	932.6
15°	919.1	919.1	914.3	924.0	922.4
17.5°	904.1	904.7	900.9	911.1	910.0
20°	885.9	888.6	885.9	896.6	895.5
22.5°	866.0	869.8	868.7	879.4	880.0
25°	845.1	848.9	849.9	861.2	859.6
27.5°	822.0	827.9	830.1	840.3	839.7
30°	795.2	803.2	808.1	816.7	819.3
32.5°	767.8	777.5	783.4	795.2	798.4
35°	740.5	749.1	758.7	770.5	773.2
37.5°	710.4	720.1	733.0	744.2	747.4
40°	680.4	691.1	703.4	715.8	720.6
42.5°	649.2	660.5	673.9	688.4	693.2
45°	613.8	628.9	645.0	657.3	661.6
47.5°	580.0	596.7	613.8	627.2	632.1
50°	545.7	563.4	581.6	594.0	601.5
52.5°	509.7	529.1	547.3	562.9	567.7
55°	473.3	492.6	513.0	529.6	533.4
57.5°	437.8	456.6	477.0	492.6	500.1
60°	399.2	419.6	441.6	457.2	465.2
62.5°	361.6	381.5	405.1	421.7	428.2
65°	325.7	343.9	368.1	385.3	391.2
67.5°	286.0	306.9	330.0	349.8	357.4
70°	246.8	266.7	293.0	311.7	319.3
72.5°	210.3	229.7	255.9	274.7	281.7
75°	171.7	192.1	220.0	238.8	247.9
77.5°	134.7	157.2	184.0	204.4	214.6
80°	100.3	120.2	149.2	171.7	180.8
82.5°	68.1	89.6	119.7	140.6	150.8
85°	41.9	64.4	92.3	112.1	119.1
87.5°	19.9	41.3	67.1	86.4	95.0
90°	2.7	23.1	47.2	66.0	73.0
92.5°	0.5	19.9	43.5	61.2	67.6
95°	0.5	19.9	42.9	60.1	66.5
97.5°	0.5	19.3	42.4	59.6	65.5
100°	0.5	18.8	41.9	58.5	64.9
102.5°	0.5	18.8	40.8	57.4	63.3
105°	0.5	18.2	40.2	56.3	62.2
107.5°	0.5	17.7	39.2	55.3	61.2
110°	0.5	16.6	38.6	53.7	59.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	16.1	37.6	52.6	57.9
115°	0.5	15.6	36.5	51.0	56.3
117.5°	0.5	15.0	34.9	49.4	54.7
120°	1.1	15.0	33.8	47.8	52.6
122.5°	1.1	14.5	32.2	45.6	50.4
125°	1.1	14.0	30.6	44.0	48.8
127.5°	1.1	13.4	29.0	41.9	46.1
130°	1.1	12.3	27.9	39.7	44.0
132.5°	1.1	11.8	26.3	37.0	41.3
135°	1.1	10.7	24.7	34.9	39.2
137.5°	1.1	10.2	23.1	32.7	36.5
140°	1.1	9.7	20.9	30.6	34.3
142.5°	1.1	8.6	19.3	28.4	31.7
145°	1.1	8.0	17.2	26.3	29.0
147.5°	1.1	7.0	15.6	24.1	26.8
150°	1.1	6.4	14.0	22.0	24.7
152.5°	1.1	5.9	12.3	19.3	22.0
155°	1.1	5.4	11.3	16.6	19.9
157.5°	1.1	4.8	9.7	14.5	17.7
160°	1.6	4.3	8.6	12.3	15.0
162.5°	1.6	3.8	7.0	10.2	13.4
165°	1.6	3.8	5.9	8.0	11.3
167.5°	1.6	3.2	4.8	6.4	9.1
170°	1.6	2.7	4.3	4.8	7.0
172.5°	1.6	2.1	3.2	3.2	3.8
175°	1.6	2.1	2.7	2.7	1.6
177.5°	1.6	1.6	1.6	1.6	1.1
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)