

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: P566378

Luminaire Tested: **4SNX-41SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566378  
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-41SL-FDL-UNV-L930-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

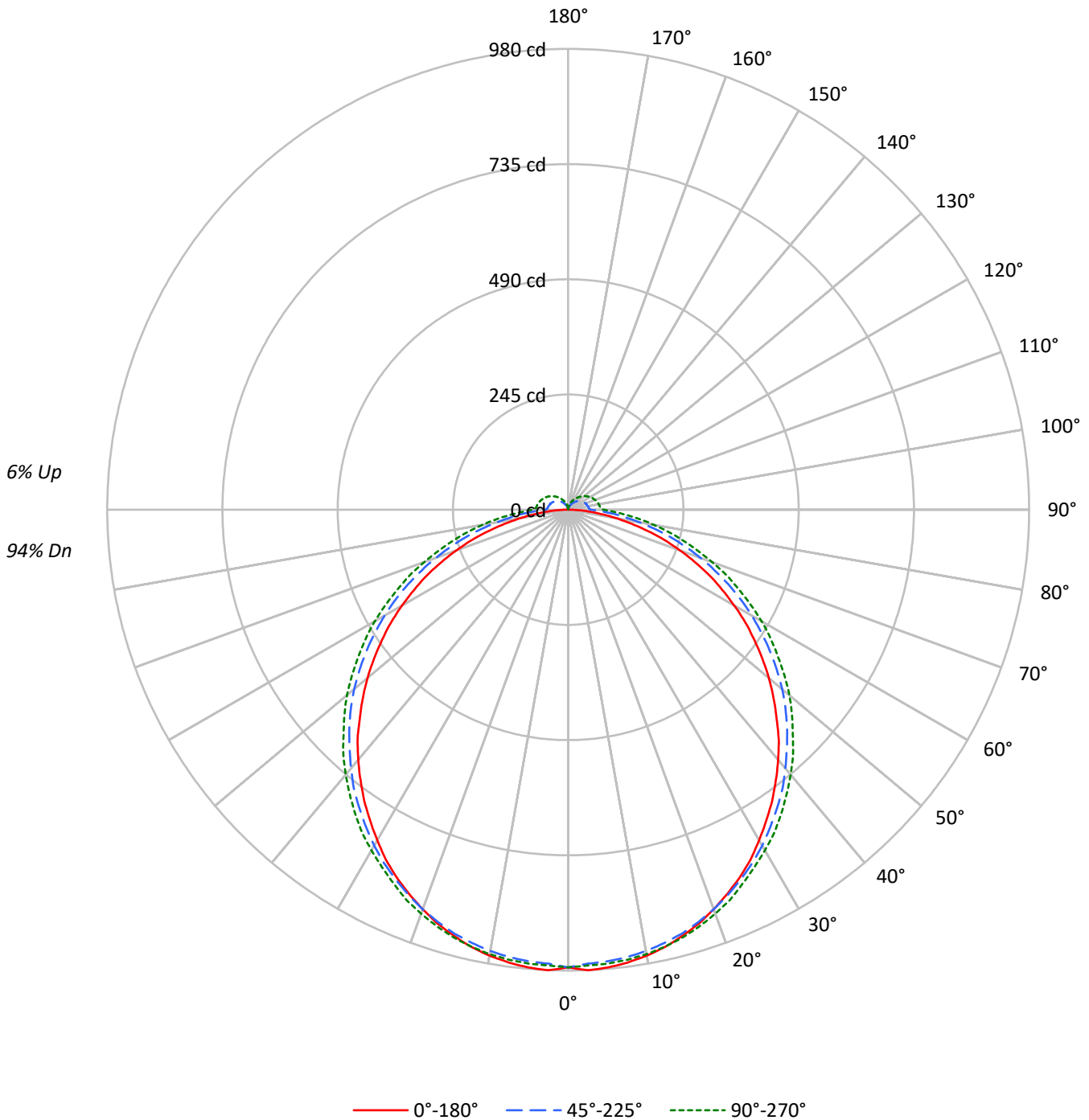
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3093.0 lumens  
Efficiency: N/A  
Efficacy: 117.6 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): 26.3  
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°	10477	10477	10477
5°	10548	10303	10319
10°	10505	10191	10189
15°	10427	10063	10043
20°	10319	9907	9873
25°	10196	9736	9670
30°	10028	9562	9483
35°	9861	9357	9288
40°	9674	9131	9068
45°	9440	8907	8811
50°	9213	8651	8578
55°	8933	8335	8252
60°	8617	7975	7933
65°	8284	7543	7492
70°	7710	7004	7035
75°	7018	6366	6487
80°	5993	5520	5883
85°	4712	4785	5170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.3	3.0
10°-20°	264.9	8.6
20°-30°	401.4	13.0
30°-40°	484.6	15.7
40°-50°	506.0	16.4
50°-60°	464.9	15.0
60°-70°	367.6	11.9
70°-80°	232.7	7.5
80°-90°	100.0	3.2
90°-100°	44.0	1.4
100°-110°	39.4	1.3
110°-120°	33.3	1.1
120°-130°	25.9	0.8
130°-140°	18.0	0.6
140°-150°	10.8	0.3
150°-160°	5.3	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	758.6	24.5
0°-40°	1243.1	40.2
0°-60°	2214.0	71.6
0°-90°	2914.3	94.2
90°-120°	116.7	3.8
90°-150°	171.3	5.5
90°-180°	179.0	5.8
0°-180°	3093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	977	974	964	972	969	93
15°	938	938	933	943	942	265
25°	863	866	868	879	878	397
35°	756	765	774	786	789	473
45°	627	642	658	671	675	484
55°	483	503	524	541	544	432
65°	332	351	376	393	399	327
75°	175	196	225	244	253	186
85°	43	66	94	114	122	47
90°	3	24	48	67	74	4
95°	0	20	44	61	68	0
105°	0	19	41	58	64	1
115°	0	16	37	52	58	1
125°	1	14	31	45	50	1
135°	1	11	25	36	40	1
145°	1	8	18	27	30	1
155°	1	6	12	17	20	1
165°	2	4	6	8	12	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°	973.3	973.3	973.3	973.3	973.3
2.5°	980.4	977.1	966.2	973.9	970.0
5°	977.1	974.4	964.0	972.2	968.9
7.5°	971.1	968.9	959.6	968.4	965.1
10°	962.9	961.3	953.0	961.8	959.6
12.5°	952.5	951.9	943.7	953.6	951.9
15°	938.3	938.3	933.3	943.2	941.5
17.5°	922.9	923.5	919.6	930.0	928.9
20°	904.3	907.0	904.3	915.2	914.2
22.5°	884.0	887.9	886.8	897.7	898.3
25°	862.7	866.5	867.6	879.1	877.5
27.5°	839.1	845.1	847.3	857.7	857.2
30°	811.7	819.9	824.9	833.6	836.4
32.5°	783.8	793.7	799.7	811.7	815.0
35°	755.9	764.6	774.5	786.5	789.3
37.5°	725.2	735.0	748.2	759.7	763.0
40°	694.5	705.5	718.1	730.7	735.6
42.5°	662.7	674.3	687.9	702.7	707.7
45°	626.6	641.9	658.4	671.0	675.3
47.5°	592.1	609.1	626.6	640.3	645.2
50°	557.0	575.1	593.7	606.3	614.0
52.5°	520.3	540.1	558.7	574.6	579.5
55°	483.1	502.8	523.6	540.6	544.4
57.5°	446.9	466.1	486.9	502.8	510.5
60°	407.5	428.3	450.8	466.7	474.9
62.5°	369.2	389.4	413.5	430.5	437.1
65°	332.5	351.1	375.7	393.3	399.3
67.5°	291.9	313.3	336.9	357.1	364.8
70°	252.0	272.2	299.1	318.2	325.9
72.5°	214.7	234.4	261.3	280.4	287.6
75°	175.3	196.1	224.6	243.7	253.0
77.5°	137.5	160.5	187.9	208.7	219.1
80°	102.4	122.7	152.3	175.3	184.6
82.5°	69.6	91.5	122.1	143.5	153.9
85°	42.7	65.7	94.2	114.5	121.6
87.5°	20.3	42.2	68.5	88.2	96.9
90°	2.7	23.6	48.2	67.4	74.5
92.5°	0.5	20.3	44.4	62.4	69.0
95°	0.5	20.3	43.8	61.3	67.9
97.5°	0.5	19.7	43.3	60.8	66.8
100°	0.5	19.2	42.7	59.7	66.3
102.5°	0.5	19.2	41.6	58.6	64.6
105°	0.5	18.6	41.1	57.5	63.5
107.5°	0.5	18.1	40.0	56.4	62.4
110°	0.5	17.0	39.4	54.8	60.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	16.4	38.3	53.7	59.2
115°	0.5	15.9	37.2	52.0	57.5
117.5°	0.5	15.3	35.6	50.4	55.9
120°	1.1	15.3	34.5	48.7	53.7
122.5°	1.1	14.8	32.9	46.6	51.5
125°	1.1	14.2	31.2	44.9	49.8
127.5°	1.1	13.7	29.6	42.7	47.1
130°	1.1	12.6	28.5	40.5	44.9
132.5°	1.1	12.0	26.8	37.8	42.2
135°	1.1	11.0	25.2	35.6	40.0
137.5°	1.1	10.4	23.6	33.4	37.2
140°	1.1	9.9	21.4	31.2	35.1
142.5°	1.1	8.8	19.7	29.0	32.3
145°	1.1	8.2	17.5	26.8	29.6
147.5°	1.1	7.1	15.9	24.6	27.4
150°	1.1	6.6	14.2	22.5	25.2
152.5°	1.1	6.0	12.6	19.7	22.5
155°	1.1	5.5	11.5	17.0	20.3
157.5°	1.1	4.9	9.9	14.8	18.1
160°	1.6	4.4	8.8	12.6	15.3
162.5°	1.6	3.8	7.1	10.4	13.7
165°	1.6	3.8	6.0	8.2	11.5
167.5°	1.6	3.3	4.9	6.6	9.3
170°	1.6	2.7	4.4	4.9	7.1
172.5°	1.6	2.2	3.3	3.3	3.8
175°	1.6	2.2	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)