

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: P567091

Luminaire Tested: **4SNX-SL3-LN-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-SL3-LN-UNV-CC93-CD-3500K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

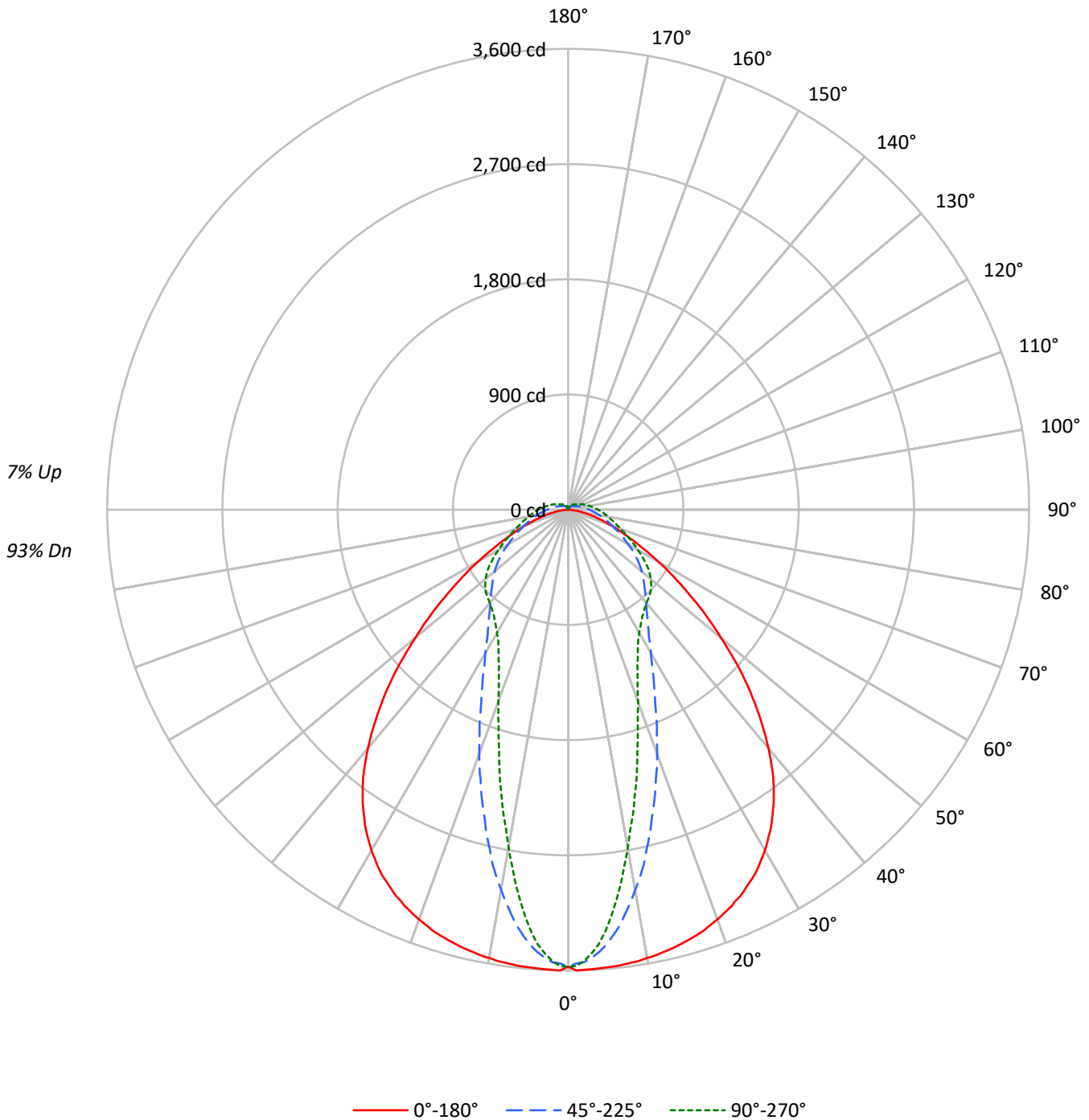
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5691.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 50.7  
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	38428	38428	38428
5°	38628	35320	33801
10°	38575	30284	26224
15°	38557	24703	19655
20°	38433	19678	14709
25°	38084	15420	11674
30°	37285	12479	9957
35°	35719	10562	9058
40°	33043	9324	8573
45°	29378	8531	8309
50°	24886	7850	7849
55°	20445	7113	7168
60°	16348	6257	6287
65°	12691	5494	5471
70°	9855	4860	4840
75°	7623	4366	4409
80°	5385	3996	4100
85°	2995	3724	3931



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.2	5.6
10°-20°	741.1	13.0
20°-30°	879.7	15.5
30°-40°	885.0	15.6
40°-50°	822.7	14.5
50°-60°	677.4	11.9
60°-70°	477.3	8.4
70°-80°	311.9	5.5
80°-90°	199.1	3.5
90°-100°	130.6	2.3
100°-110°	88.7	1.6
110°-120°	60.7	1.1
120°-130°	42.0	0.7
130°-140°	28.3	0.5
140°-150°	17.4	0.3
150°-160°	9.0	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1936.9	34.0
0°-40°	2822.0	49.6
0°-60°	4322.1	75.9
0°-90°	5310.4	93.3
90°-120°	280.0	4.9
90°-150°	367.8	6.5
90°-180°	381.0	6.7
0°-180°	5691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3570	3570	3570	3570	3570	
5°	3588	3540	3412	3346	3311	342
15°	3499	3126	2514	2198	2079	988
25°	3269	2416	1602	1345	1288	1504
35°	2798	1634	1086	1017	1011	1740
45°	2010	1077	841	886	910	1543
55°	1154	707	650	722	746	1043
65°	543	426	447	504	522	551
75°	212	221	301	355	370	229
85°	36	101	203	262	274	45
90°	0	69	164	224	233	2
95°	0	51	137	188	197	0
105°	0	36	92	131	143	0
115°	3	30	66	95	101	3
125°	3	24	54	69	75	3
135°	3	21	42	54	57	2
145°	3	15	30	42	45	2
155°	3	12	21	30	33	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3570.1	3570.1	3570.1	3570.1	3570.1
1°	3600.0	3585.0	3546.3	3573.1	3567.2
2°	3597.0	3582.1	3537.3	3549.3	3528.4
3°	3594.0	3573.1	3504.5	3501.5	3471.7
4°	3591.0	3558.2	3462.8	3427.0	3403.1
5°	3588.0	3540.3	3412.1	3346.4	3310.7
6°	3585.0	3519.4	3346.4	3248.0	3197.3
7°	3579.1	3486.6	3277.8	3143.6	3078.0
8°	3573.1	3456.8	3191.3	3030.3	2949.8
9°	3567.2	3418.0	3104.9	2908.0	2812.6
10°	3555.2	3379.3	3015.4	2782.7	2681.3
11°	3549.3	3334.5	2928.9	2663.4	2544.1
12°	3537.3	3286.8	2836.4	2538.2	2433.8
13°	3525.4	3236.1	2723.1	2430.8	2305.5
14°	3513.5	3182.4	2624.7	2311.5	2195.2
15°	3498.6	3125.7	2514.3	2198.2	2078.9
16°	3483.6	3060.1	2415.9	2081.8	1956.6
17°	3468.7	2997.5	2323.4	1974.5	1861.1
18°	3450.8	2934.8	2216.0	1870.1	1759.7
19°	3427.0	2863.3	2129.6	1774.6	1673.2
20°	3406.1	2797.6	2031.1	1685.2	1595.7
21°	3382.2	2717.1	1932.7	1601.6	1512.2
22.5°	3346.4	2603.8	1807.4	1497.2	1413.7
23°	3328.5	2571.0	1756.7	1458.5	1386.9
24°	3304.7	2484.5	1673.2	1398.8	1327.2
25°	3268.9	2415.9	1601.6	1345.1	1288.5
26°	3236.1	2332.4	1530.1	1297.4	1240.7
27°	3203.3	2251.8	1467.4	1246.7	1199.0
28°	3161.5	2168.3	1398.8	1205.0	1163.2
29°	3116.8	2090.8	1342.2	1169.2	1136.4
30°	3072.0	2004.3	1294.4	1136.4	1109.5
32.5°	2946.8	1813.4	1172.1	1073.7	1055.8
35°	2797.6	1634.4	1085.7	1017.1	1011.1
37.5°	2630.6	1470.4	1008.1	972.3	978.3
40°	2433.8	1321.3	942.5	939.5	951.4
42.5°	2225.0	1193.0	891.8	912.7	930.6
45°	2010.3	1076.7	841.1	885.8	909.7
47.5°	1786.6	975.3	796.3	853.0	879.9
50°	1559.9	876.9	748.6	814.2	841.1
52.5°	1357.1	790.4	700.9	769.5	799.3
55°	1154.3	706.9	650.2	721.8	745.6
57.5°	978.3	629.3	596.5	668.1	686.0
60°	814.2	554.8	542.8	608.4	629.3
62.5°	665.1	489.1	492.1	554.8	575.6
65°	542.8	426.5	447.4	504.1	521.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	441.4	366.9	402.6	462.3	477.2
70°	349.0	313.2	366.9	420.5	435.5
72.5°	277.4	265.4	331.1	387.7	399.7
75°	211.8	220.7	301.2	354.9	369.8
77.5°	152.1	184.9	271.4	328.1	340.0
80°	107.4	152.1	247.6	304.2	316.2
82.5°	68.6	125.3	223.7	283.3	295.3
85°	35.8	101.4	202.8	262.5	274.4
87.5°	14.9	83.5	181.9	241.6	253.5
90°	0.0	68.6	164.0	223.7	232.6
92.5°	0.0	59.7	149.1	205.8	214.7
95°	0.0	50.7	137.2	187.9	196.8
97.5°	0.0	47.7	122.3	173.0	181.9
100°	0.0	41.8	110.4	158.1	170.0
102.5°	0.0	38.8	101.4	143.2	155.1
105°	0.0	35.8	92.5	131.2	143.2
107.5°	0.0	32.8	86.5	122.3	131.2
110°	0.0	32.8	77.5	113.3	122.3
112.5°	3.0	29.8	71.6	101.4	110.4
115°	3.0	29.8	65.6	95.4	101.4
117.5°	3.0	29.8	62.6	86.5	92.5
120°	3.0	26.8	59.7	80.5	86.5
122.5°	3.0	26.8	56.7	74.6	77.5
125°	3.0	23.9	53.7	68.6	74.6
127.5°	3.0	23.9	50.7	65.6	68.6
130°	3.0	23.9	47.7	59.7	65.6
132.5°	3.0	20.9	44.7	56.7	59.7
135°	3.0	20.9	41.8	53.7	56.7
137.5°	3.0	17.9	38.8	50.7	53.7
140°	3.0	17.9	35.8	47.7	50.7
142.5°	3.0	14.9	32.8	44.7	47.7
145°	3.0	14.9	29.8	41.8	44.7
147.5°	3.0	14.9	26.8	38.8	41.8
150°	3.0	11.9	23.9	35.8	38.8
152.5°	3.0	11.9	20.9	32.8	35.8
155°	3.0	11.9	20.9	29.8	32.8
157.5°	3.0	8.9	17.9	23.9	29.8
160°	3.0	8.9	14.9	20.9	26.8
162.5°	3.0	8.9	14.9	17.9	20.9
165°	3.0	6.0	11.9	14.9	17.9
167.5°	3.0	6.0	8.9	11.9	14.9
170°	3.0	6.0	8.9	8.9	11.9
172.5°	3.0	6.0	6.0	6.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	3.0	3.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)