

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: P567249

Luminaire Tested: **8SNX-114SL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-114SL-UNV-L950-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

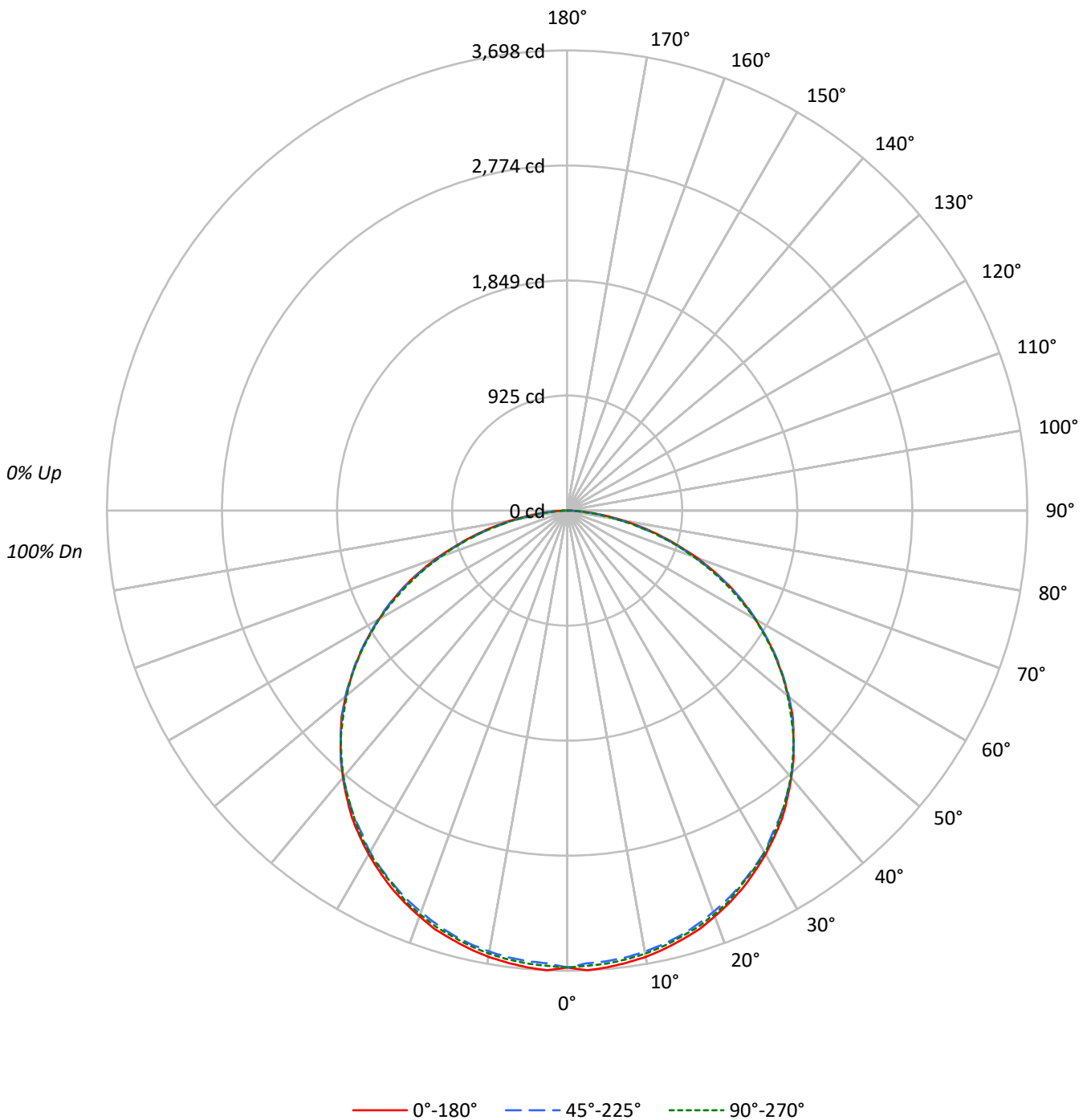
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10977.0 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 79.4  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	19758	19758	19758
5°	19906	19638	19745
10°	19901	19666	19756
15°	19885	19683	19757
20°	19873	19665	19779
25°	19860	19664	19703
30°	19819	19696	19737
35°	19804	19652	19674
40°	19693	19670	19647
45°	19575	19600	19575
50°	19433	19488	19350
55°	19175	19237	19144
60°	18799	18870	18764
65°	18415	18288	18036
70°	17508	17144	16936
75°	15995	15446	15515
80°	13814	12791	13098
85°	10399	9991	8972



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.3	3.2
10°-20°	1003.6	9.1
20°-30°	1535.5	14.0
30°-40°	1877.4	17.1
40°-50°	1986.0	18.1
50°-60°	1829.8	16.7
60°-70°	1410.0	12.8
70°-80°	790.0	7.2
80°-90°	196.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2887.3	26.3
0°-40°	4764.7	43.4
0°-60°	8580.6	78.2
0°-90°	10977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3671	3671	3671	3671	3671	
5°	3684	3671	3635	3671	3655	350
15°	3569	3562	3533	3562	3546	1008
25°	3344	3338	3311	3338	3318	1541
35°	3014	3008	2991	3001	2994	1883
45°	2572	2582	2575	2572	2572	1987
55°	2044	2060	2050	2050	2040	1825
65°	1446	1446	1436	1400	1416	1422
75°	769	759	743	716	746	816
85°	168	158	162	162	145	208
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3671.2	3671.2	3671.2	3671.2	3671.2
2.5°	3697.7	3681.2	3641.5	3677.9	3661.3
5°	3684.5	3671.2	3634.9	3671.2	3654.7
7.5°	3664.6	3654.7	3621.7	3654.7	3638.2
10°	3641.5	3631.6	3598.6	3631.6	3615.1
12.5°	3608.5	3601.9	3568.9	3601.9	3585.4
15°	3568.9	3562.3	3532.6	3562.3	3545.8
17.5°	3529.3	3516.1	3486.4	3519.4	3506.2
20°	3469.9	3463.3	3433.5	3463.3	3453.4
22.5°	3410.4	3403.8	3377.4	3403.8	3397.2
25°	3344.4	3337.8	3311.4	3337.8	3318.0
27.5°	3268.5	3271.8	3242.1	3258.6	3248.7
30°	3189.2	3189.2	3169.4	3176.0	3176.0
32.5°	3103.4	3103.4	3073.7	3093.5	3090.2
35°	3014.3	3007.7	2991.1	3001.0	2994.4
37.5°	2908.6	2905.3	2895.4	2902.0	2895.4
40°	2803.0	2806.3	2799.7	2796.4	2796.4
42.5°	2694.0	2700.6	2690.7	2687.4	2684.1
45°	2571.9	2581.8	2575.2	2571.9	2571.9
47.5°	2459.6	2462.9	2453.0	2449.7	2439.8
50°	2320.9	2334.1	2327.5	2320.9	2311.0
52.5°	2182.3	2202.1	2188.9	2182.3	2182.3
55°	2043.6	2060.1	2050.2	2050.2	2040.3
57.5°	1898.4	1914.9	1901.7	1901.7	1888.4
60°	1746.5	1763.0	1753.1	1743.2	1743.2
62.5°	1594.6	1607.8	1604.5	1588.0	1578.1
65°	1446.0	1446.0	1436.1	1399.8	1416.3
67.5°	1277.7	1274.4	1261.2	1224.9	1248.0
70°	1112.6	1112.6	1089.5	1046.6	1076.3
72.5°	934.3	944.2	914.5	884.8	914.5
75°	769.2	759.3	742.8	716.4	746.1
77.5°	610.8	594.3	574.5	561.3	577.8
80°	445.7	435.8	412.7	412.7	422.6
82.5°	303.7	293.8	277.3	280.6	267.4
85°	168.4	158.5	161.8	161.8	145.3
87.5°	69.3	69.3	69.3	62.7	56.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)