

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: P567247

Luminaire Tested: **8SNX-114SL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567247  
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-L935-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

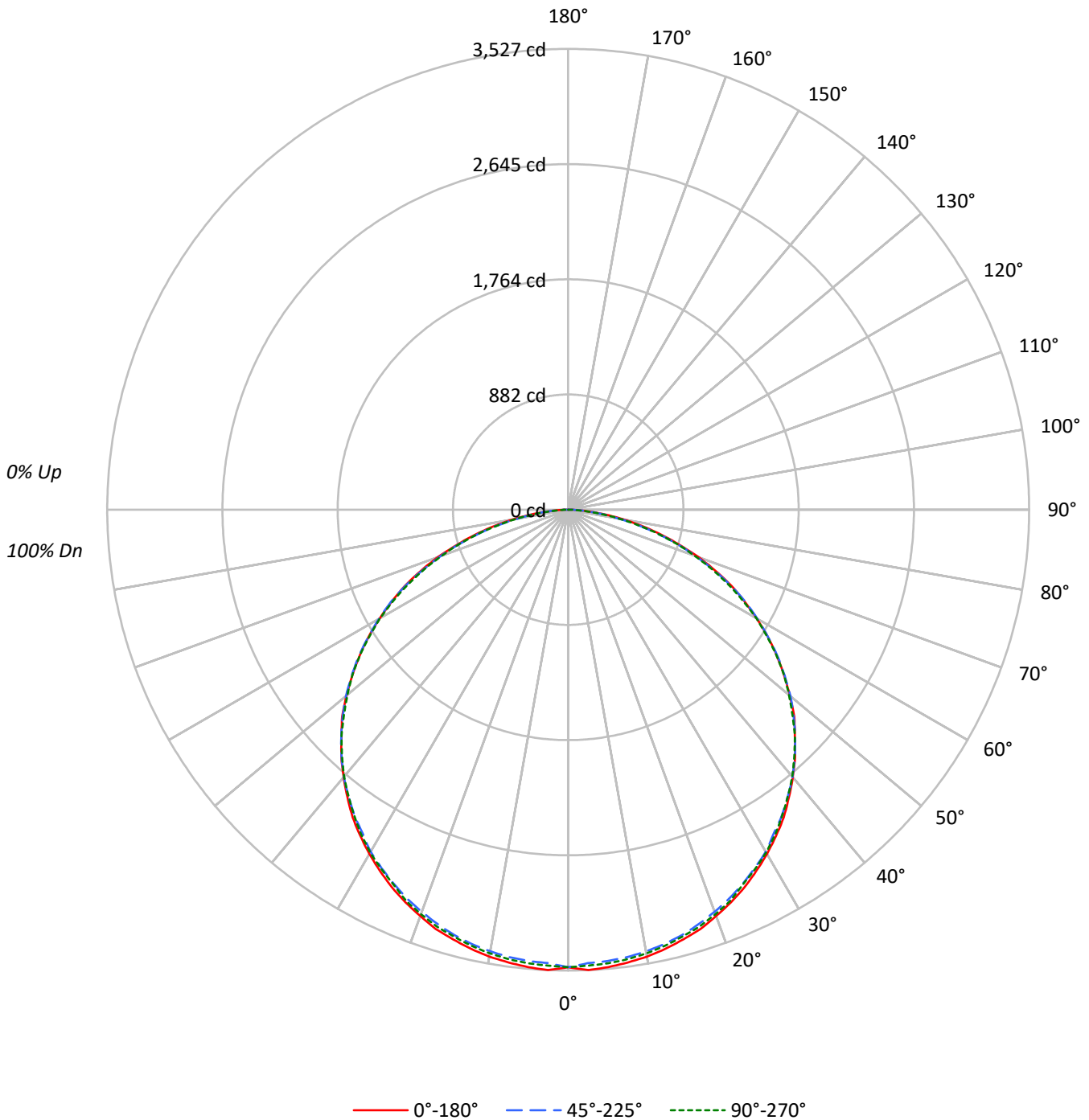
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10470.0 lumens  
Efficiency: N/A  
Efficacy: 131.9 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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	18846	18846	18846
5°	18986	18731	18833
10°	18982	18758	18844
15°	18967	18774	18844
20°	18955	18757	18865
25°	18943	18756	18793
30°	18904	18787	18826
35°	18889	18745	18765
40°	18783	18761	18739
45°	18671	18695	18671
50°	18535	18588	18456
55°	18290	18349	18261
60°	17931	17998	17897
65°	17565	17444	17203
70°	16699	16353	16154
75°	15257	14733	14799
80°	13175	12199	12493
85°	9917	9528	8559



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.2	3.2
10°-20°	957.2	9.1
20°-30°	1464.6	14.0
30°-40°	1790.7	17.1
40°-50°	1894.2	18.1
50°-60°	1745.3	16.7
60°-70°	1344.9	12.8
70°-80°	753.5	7.2
80°-90°	187.3	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
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0°-30°	2753.9	26.3
0°-40°	4544.7	43.4
0°-60°	8184.2	78.2
0°-90°	10470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10470.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3502	3502	3502	3502	3502	
5°	3514	3502	3467	3502	3486	334
15°	3404	3398	3369	3398	3382	962
25°	3190	3184	3158	3184	3165	1470
35°	2875	2869	2853	2862	2856	1796
45°	2453	2462	2456	2453	2453	1895
55°	1949	1965	1956	1956	1946	1741
65°	1379	1379	1370	1335	1351	1357
75°	734	724	708	683	712	778
85°	161	151	154	154	139	198
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3526.9	3511.1	3473.3	3508.0	3492.2
5°	3514.3	3501.7	3467.0	3501.7	3485.9
7.5°	3495.4	3485.9	3454.4	3485.9	3470.2
10°	3473.3	3463.9	3432.4	3463.9	3448.2
12.5°	3441.9	3435.6	3404.1	3435.6	3419.8
15°	3404.1	3397.8	3369.4	3397.8	3382.0
17.5°	3366.3	3353.7	3325.3	3356.8	3344.2
20°	3309.6	3303.3	3275.0	3303.3	3293.8
22.5°	3252.9	3246.6	3221.4	3246.6	3240.3
25°	3189.9	3183.6	3158.4	3183.6	3164.7
27.5°	3117.5	3120.7	3092.3	3108.1	3098.6
30°	3041.9	3041.9	3023.0	3029.3	3029.3
32.5°	2960.1	2960.1	2931.7	2950.6	2947.5
35°	2875.0	2868.7	2853.0	2862.4	2856.1
37.5°	2774.3	2771.1	2761.7	2768.0	2761.7
40°	2673.5	2676.6	2670.3	2667.2	2667.2
42.5°	2569.6	2575.9	2566.4	2563.3	2560.1
45°	2453.1	2462.5	2456.2	2453.1	2453.1
47.5°	2346.0	2349.2	2339.7	2336.6	2327.1
50°	2213.7	2226.3	2220.0	2213.7	2204.3
52.5°	2081.5	2100.4	2087.8	2081.5	2081.5
55°	1949.2	1965.0	1955.5	1955.5	1946.1
57.5°	1810.7	1826.4	1813.8	1813.8	1801.2
60°	1665.8	1681.6	1672.1	1662.7	1662.7
62.5°	1521.0	1533.6	1530.4	1514.7	1505.2
65°	1379.3	1379.3	1369.8	1335.2	1350.9
67.5°	1218.7	1215.5	1202.9	1168.3	1190.3
70°	1061.2	1061.2	1039.2	998.2	1026.6
72.5°	891.2	900.6	872.3	843.9	872.3
75°	733.7	724.3	708.5	683.3	711.7
77.5°	582.6	566.8	547.9	535.3	551.1
80°	425.1	415.7	393.6	393.6	403.1
82.5°	289.7	280.3	264.5	267.7	255.1
85°	160.6	151.2	154.3	154.3	138.6
87.5°	66.1	66.1	66.1	59.8	53.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)