

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: P567043

Luminaire Tested: **4SNX-93HL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-93HL-UNV-L935-CD  
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

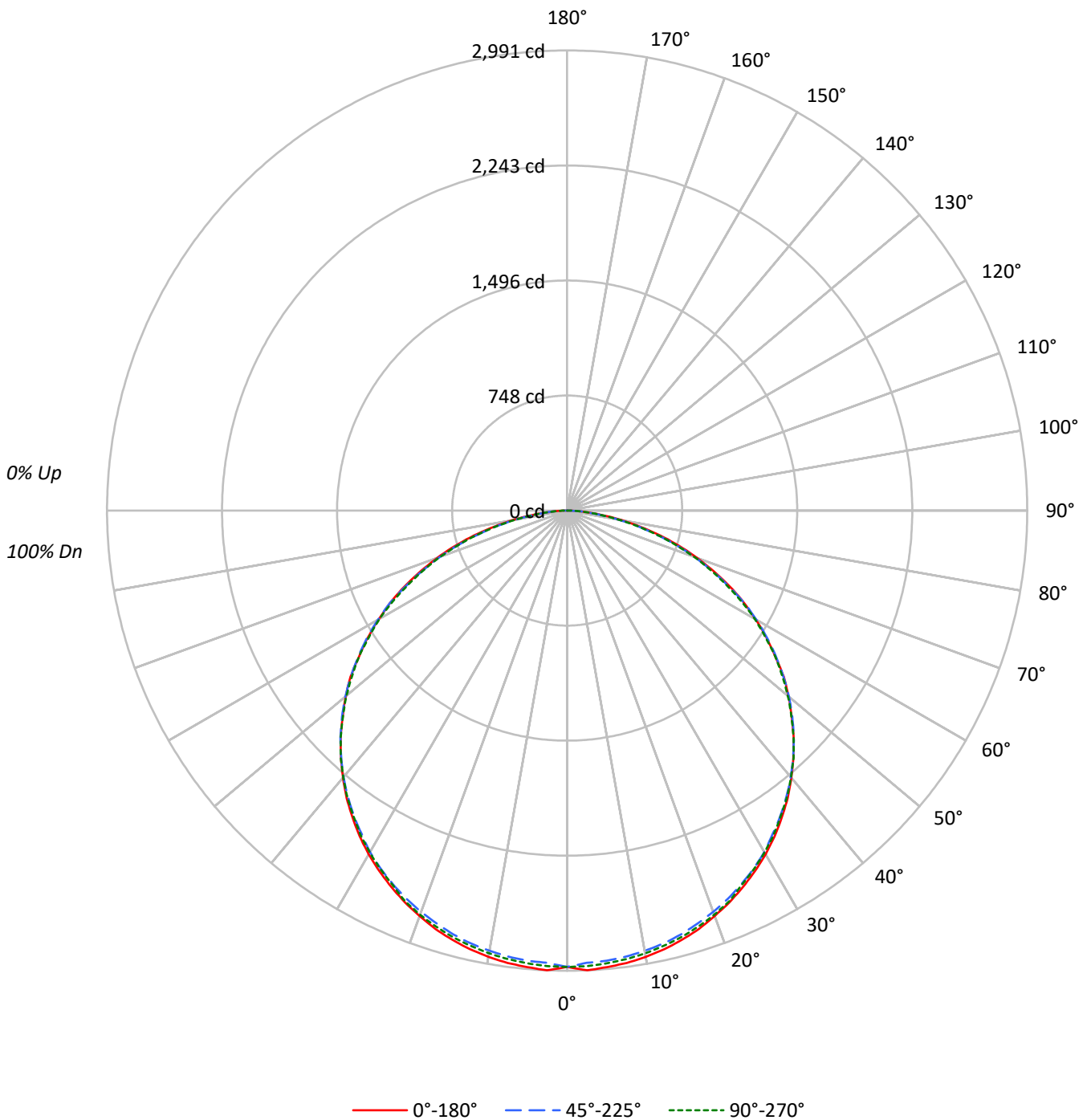
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8878.0 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 67.4  
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

TEST NUMBER: P567043

CATALOG NUMBER: 4SNX-93HL-UNV-L935-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567043

CATALOG NUMBER: 4SNX-93HL-UNV-L935-CD

**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°	31924	31924	31924
5°	32182	31734	31923
10°	32197	31758	31936
15°	32183	31792	31973
20°	32118	31788	32017
25°	32079	31826	31885
30°	32058	31855	31887
35°	31980	31781	31831
40°	31850	31780	31798
45°	31678	31734	31678
50°	31463	31527	31358
55°	30974	31139	30974
60°	30451	30587	30315
65°	29698	29346	29025
70°	28284	27651	27572
75°	26101	24845	24949
80°	22328	20927	21317
85°	16586	16278	15191



TEST NUMBER: P567043

CATALOG NUMBER: 4SNX-93HL-UNV-L935-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.5	3.2
10°-20°	811.0	9.1
20°-30°	1241.5	14.0
30°-40°	1518.7	17.1
40°-50°	1606.3	18.1
50°-60°	1480.1	16.7
60°-70°	1139.2	12.8
70°-80°	640.0	7.2
80°-90°	159.6	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°	2334.0	26.3
0°-40°	3852.7	43.4
0°-60°	6939.2	78.2
0°-90°	8878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8878.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2966	2966	2966	2966	2966	
5°	2978	2970	2937	2963	2954	283
15°	2888	2880	2853	2878	2869	815
25°	2701	2698	2680	2698	2685	1246
35°	2434	2430	2419	2430	2422	1523
45°	2081	2087	2085	2080	2081	1605
55°	1650	1666	1659	1654	1650	1478
65°	1166	1168	1152	1136	1140	1150
75°	628	618	597	589	600	661
85°	134	132	132	128	123	166
90°	0	0	0	0	0	



TEST NUMBER: P567043

CATALOG NUMBER: 4SNX-93HL-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2965.8	2965.8	2965.8	2965.8	2965.8
2.5°	2990.9	2974.6	2942.0	2970.9	2963.3
5°	2978.4	2969.6	2937.0	2963.3	2954.5
7.5°	2965.8	2955.8	2924.4	2953.3	2940.7
10°	2945.8	2937.0	2905.6	2933.2	2921.9
12.5°	2919.4	2911.9	2883.0	2909.4	2898.1
15°	2888.0	2880.5	2852.9	2878.0	2869.2
17.5°	2850.4	2841.6	2815.2	2841.6	2835.3
20°	2803.9	2798.9	2775.1	2798.9	2795.1
22.5°	2756.2	2750.0	2731.1	2748.7	2750.0
25°	2701.0	2698.5	2679.7	2698.5	2684.7
27.5°	2643.3	2643.3	2624.4	2637.0	2628.2
30°	2579.3	2578.0	2562.9	2569.2	2565.5
32.5°	2510.2	2509.0	2488.9	2505.2	2498.9
35°	2433.7	2429.9	2418.6	2429.9	2422.4
37.5°	2354.6	2350.8	2342.0	2348.3	2347.1
40°	2266.7	2266.7	2261.7	2266.7	2263.0
42.5°	2176.4	2180.1	2173.9	2178.9	2178.9
45°	2081.0	2087.3	2084.7	2079.7	2081.0
47.5°	1979.3	1990.6	1984.3	1983.1	1976.8
50°	1878.9	1888.9	1882.7	1876.4	1872.6
52.5°	1774.7	1779.8	1772.2	1769.7	1760.9
55°	1650.5	1665.5	1659.3	1654.2	1650.5
57.5°	1536.3	1547.6	1542.5	1532.5	1526.2
60°	1414.5	1423.3	1420.8	1409.5	1408.2
62.5°	1295.3	1297.8	1295.3	1275.2	1276.5
65°	1166.0	1168.5	1152.2	1135.9	1139.6
67.5°	1030.4	1038.0	1015.4	991.5	1007.9
70°	898.7	896.2	878.6	852.2	876.1
72.5°	763.1	760.6	740.5	721.7	738.0
75°	627.6	617.5	597.4	588.6	599.9
77.5°	487.0	475.7	466.9	460.6	465.6
80°	360.2	345.2	337.6	332.6	343.9
82.5°	239.7	228.4	224.7	228.4	225.9
85°	134.3	131.8	131.8	128.0	123.0
87.5°	55.2	57.7	59.0	57.7	55.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)