

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: P566996

Luminaire Tested: **4SNX-90HL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566996  
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-90HL-UNV-L940-CD  
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

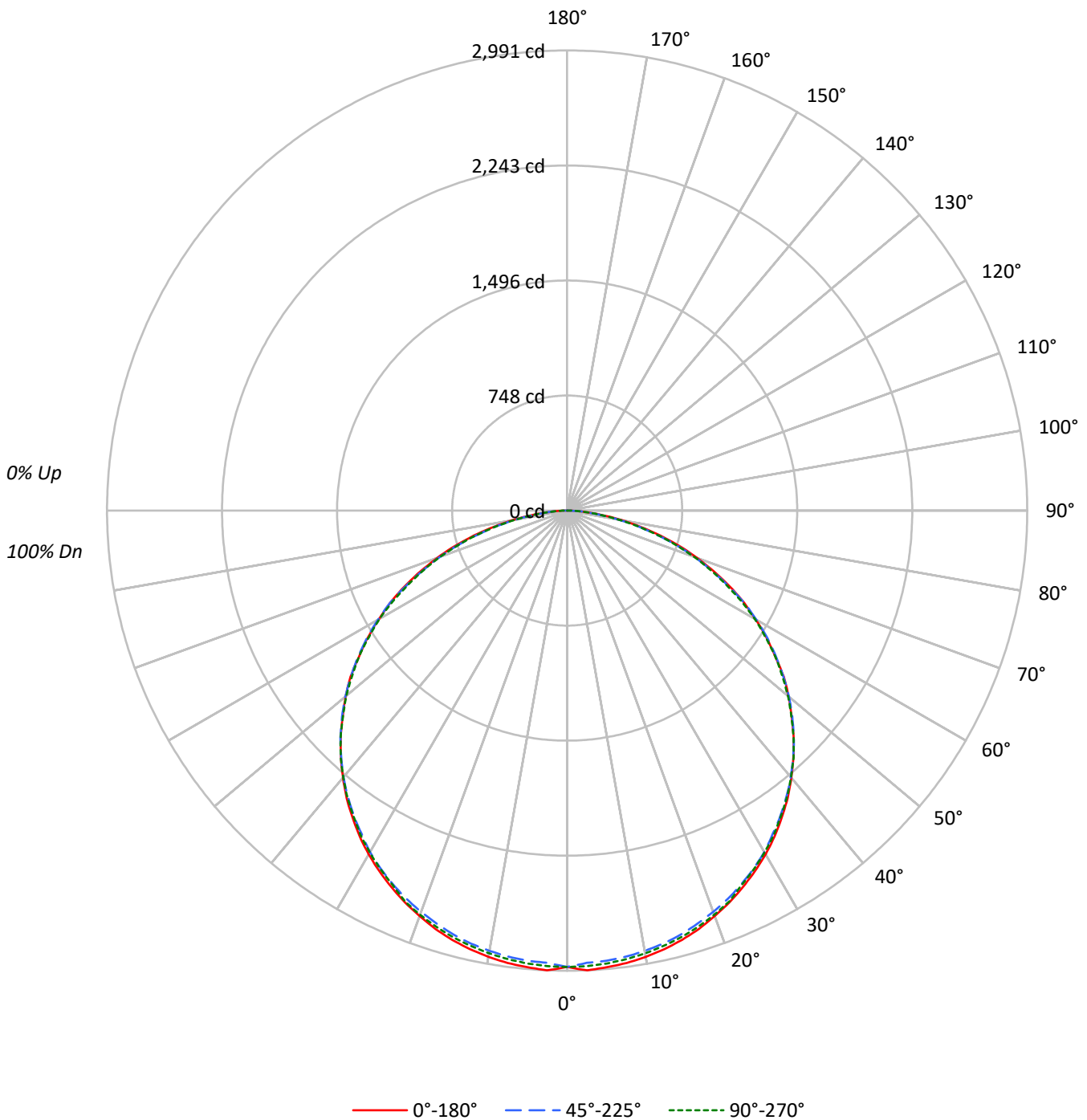
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8879.0 lumens  
Efficiency: N/A  
Efficacy: 137.9 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): 64.4  
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	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°	31928	31928	31928
5°	32185	31738	31928
10°	32201	31761	31940
15°	32186	31795	31977
20°	32121	31791	32022
25°	32082	31829	31889
30°	32062	31858	31889
35°	31982	31785	31834
40°	31854	31784	31801
45°	31681	31739	31681
50°	31467	31530	31361
55°	30978	31141	30978
60°	30455	30591	30320
65°	29700	29349	29030
70°	28287	27654	27575
75°	26101	24849	24953
80°	22334	20933	21317
85°	16586	16278	15191



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.5	3.2
10°-20°	811.1	9.1
20°-30°	1241.7	14.0
30°-40°	1518.9	17.1
40°-50°	1606.5	18.1
50°-60°	1480.3	16.7
60°-70°	1139.3	12.8
70°-80°	640.1	7.2
80°-90°	159.7	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°	2334.2	26.3
0°-40°	3853.2	43.4
0°-60°	6940.0	78.2
0°-90°	8879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8879.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2966	2966	2966	2966	2966	
5°	2979	2970	2937	2964	2955	283
15°	2888	2881	2853	2878	2870	815
25°	2701	2699	2680	2699	2685	1246
35°	2434	2430	2419	2430	2423	1523
45°	2081	2088	2085	2080	2081	1605
55°	1651	1666	1659	1654	1651	1478
65°	1166	1169	1152	1136	1140	1150
75°	628	618	598	589	600	661
85°	134	132	132	128	123	166
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2966.2	2966.2	2966.2	2966.2	2966.2
2.5°	2991.3	2975.0	2942.3	2971.2	2963.7
5°	2978.7	2969.9	2937.3	2963.7	2954.9
7.5°	2966.2	2956.1	2924.7	2953.6	2941.1
10°	2946.1	2937.3	2905.9	2933.5	2922.2
12.5°	2919.7	2912.2	2883.3	2909.7	2898.4
15°	2888.3	2880.8	2853.2	2878.3	2869.5
17.5°	2850.7	2841.9	2815.5	2841.9	2835.6
20°	2804.2	2799.2	2775.4	2799.2	2795.5
22.5°	2756.5	2750.3	2731.4	2749.0	2750.3
25°	2701.3	2698.8	2680.0	2698.8	2685.0
27.5°	2643.6	2643.6	2624.7	2637.3	2628.5
30°	2579.6	2578.3	2563.2	2569.5	2565.7
32.5°	2510.5	2509.3	2489.2	2505.5	2499.2
35°	2433.9	2430.2	2418.9	2430.2	2422.6
37.5°	2354.9	2351.1	2342.3	2348.6	2347.3
40°	2267.0	2267.0	2262.0	2267.0	2263.2
42.5°	2176.6	2180.4	2174.1	2179.1	2179.1
45°	2081.2	2087.5	2085.0	2080.0	2081.2
47.5°	1979.5	1990.8	1984.6	1983.3	1977.0
50°	1879.1	1889.2	1882.9	1876.6	1872.8
52.5°	1774.9	1780.0	1772.4	1769.9	1761.1
55°	1650.7	1665.7	1659.4	1654.4	1650.7
57.5°	1536.4	1547.7	1542.7	1532.7	1526.4
60°	1414.7	1423.5	1421.0	1409.7	1408.4
62.5°	1295.4	1297.9	1295.4	1275.3	1276.6
65°	1166.1	1168.6	1152.3	1136.0	1139.8
67.5°	1030.6	1038.1	1015.5	991.7	1008.0
70°	898.8	896.3	878.7	852.3	876.2
72.5°	763.2	760.7	740.6	721.8	738.1
75°	627.6	617.6	597.5	588.7	600.0
77.5°	487.0	475.7	467.0	460.7	465.7
80°	360.3	345.2	337.7	332.6	343.9
82.5°	239.8	228.5	224.7	228.5	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)