

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: P566801

Luminaire Tested: **4SNX-74HL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566801  
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-74HL-UNV-L850-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

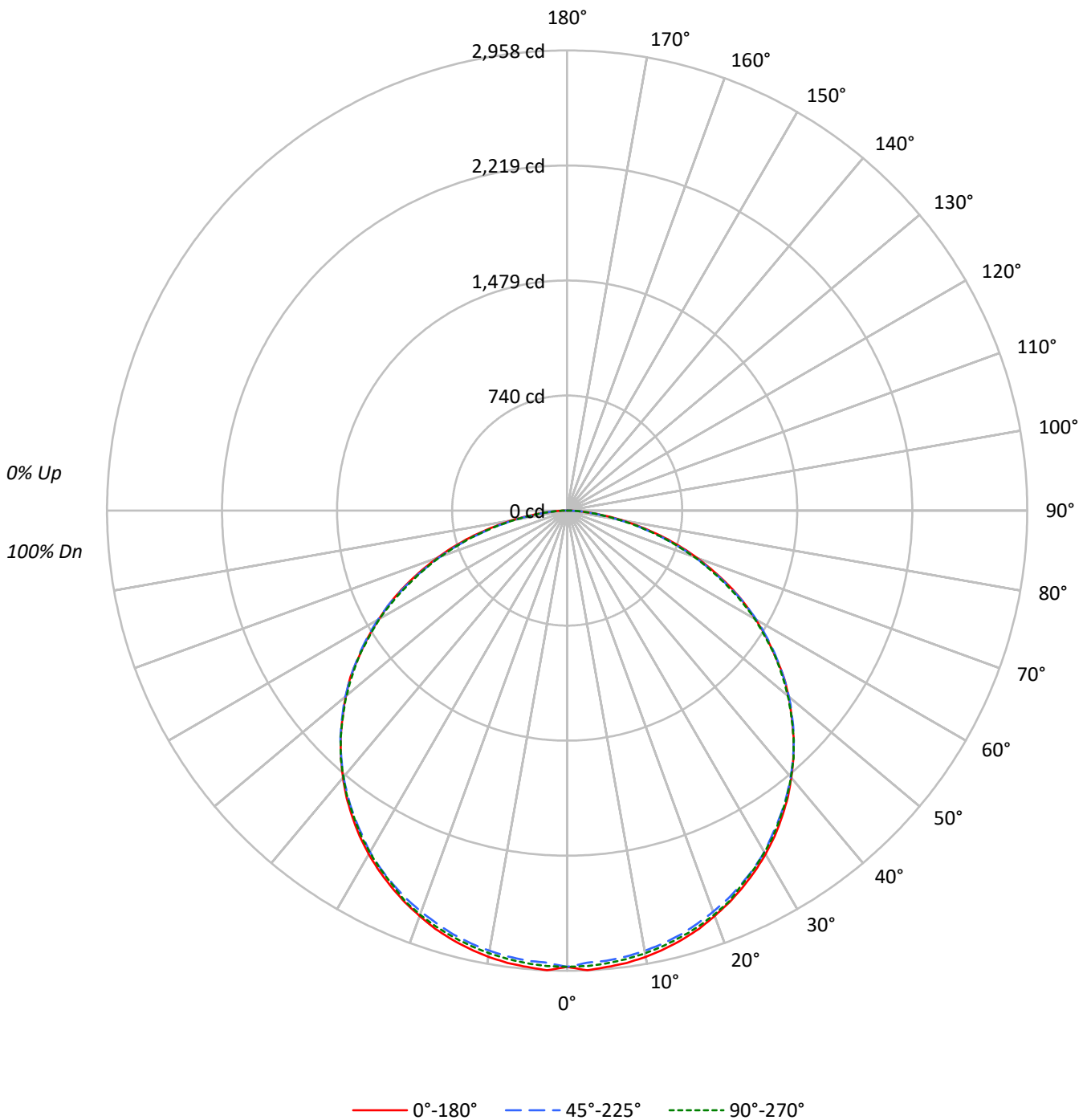
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8779.0 lumens  
Efficiency: N/A  
Efficacy: 169.5 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): 51.8  
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	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°	31568	31568	31568
5°	31823	31380	31568
10°	31838	31404	31580
15°	31824	31437	31617
20°	31760	31433	31661
25°	31721	31471	31530
30°	31700	31500	31530
35°	31622	31426	31476
40°	31496	31426	31443
45°	31325	31381	31325
50°	31113	31175	31008
55°	30628	30792	30628
60°	30111	30244	29978
65°	29366	29018	28702
70°	27966	27343	27264
75°	25810	24571	24675
80°	22080	20697	21082
85°	16401	16092	15018



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.3	3.2
10°-20°	801.9	9.1
20°-30°	1227.7	14.0
30°-40°	1501.8	17.1
40°-50°	1588.4	18.1
50°-60°	1463.6	16.7
60°-70°	1126.5	12.8
70°-80°	632.9	7.2
80°-90°	157.9	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°	2308.0	26.3
0°-40°	3809.8	43.4
0°-60°	6861.8	78.2
0°-90°	8779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2933	2933	2933	2933	2933	
5°	2945	2936	2904	2930	2922	280
15°	2856	2848	2821	2846	2837	806
25°	2671	2668	2650	2668	2655	1232
35°	2406	2403	2392	2403	2395	1506
45°	2058	2064	2062	2056	2058	1587
55°	1632	1647	1641	1636	1632	1462
65°	1153	1156	1139	1123	1127	1137
75°	621	611	591	582	593	654
85°	133	130	130	127	122	164
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2932.8	2932.8	2932.8	2932.8	2932.8
2.5°	2957.6	2941.5	2909.2	2937.7	2930.3
5°	2945.2	2936.5	2904.2	2930.3	2921.6
7.5°	2932.8	2922.8	2891.8	2920.4	2907.9
10°	2912.9	2904.2	2873.2	2900.5	2889.3
12.5°	2886.8	2879.4	2850.9	2876.9	2865.7
15°	2855.8	2848.4	2821.1	2845.9	2837.2
17.5°	2818.6	2809.9	2783.8	2809.9	2803.7
20°	2772.7	2767.7	2744.1	2767.7	2764.0
22.5°	2725.5	2719.3	2700.7	2718.1	2719.3
25°	2670.9	2668.4	2649.8	2668.4	2654.8
27.5°	2613.8	2613.8	2595.2	2607.6	2598.9
30°	2550.5	2549.3	2534.4	2540.6	2536.8
32.5°	2482.2	2481.0	2461.1	2477.3	2471.1
35°	2406.5	2402.8	2391.6	2402.8	2395.4
37.5°	2328.3	2324.6	2315.9	2322.1	2320.9
40°	2241.5	2241.5	2236.5	2241.5	2237.7
42.5°	2152.1	2155.8	2149.6	2154.6	2154.6
45°	2057.8	2064.0	2061.5	2056.5	2057.8
47.5°	1957.2	1968.4	1962.2	1961.0	1954.8
50°	1858.0	1867.9	1861.7	1855.5	1851.7
52.5°	1754.9	1759.9	1752.5	1750.0	1741.3
55°	1632.1	1647.0	1640.8	1635.8	1632.1
57.5°	1519.1	1530.3	1525.3	1515.4	1509.2
60°	1398.7	1407.4	1404.9	1393.8	1392.5
62.5°	1280.8	1283.3	1280.8	1261.0	1262.2
65°	1153.0	1155.5	1139.3	1123.2	1126.9
67.5°	1019.0	1026.4	1004.1	980.5	996.6
70°	888.6	886.2	868.8	842.7	866.3
72.5°	754.6	752.1	732.3	713.6	729.8
75°	620.6	610.6	590.8	582.1	593.3
77.5°	481.6	470.4	461.7	455.5	460.5
80°	356.2	341.3	333.9	328.9	340.1
82.5°	237.1	225.9	222.2	225.9	223.4
85°	132.8	130.3	130.3	126.6	121.6
87.5°	54.6	57.1	58.3	57.1	54.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)