

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: P566799

Luminaire Tested: **4SNX-74HL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566799  
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-L835-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

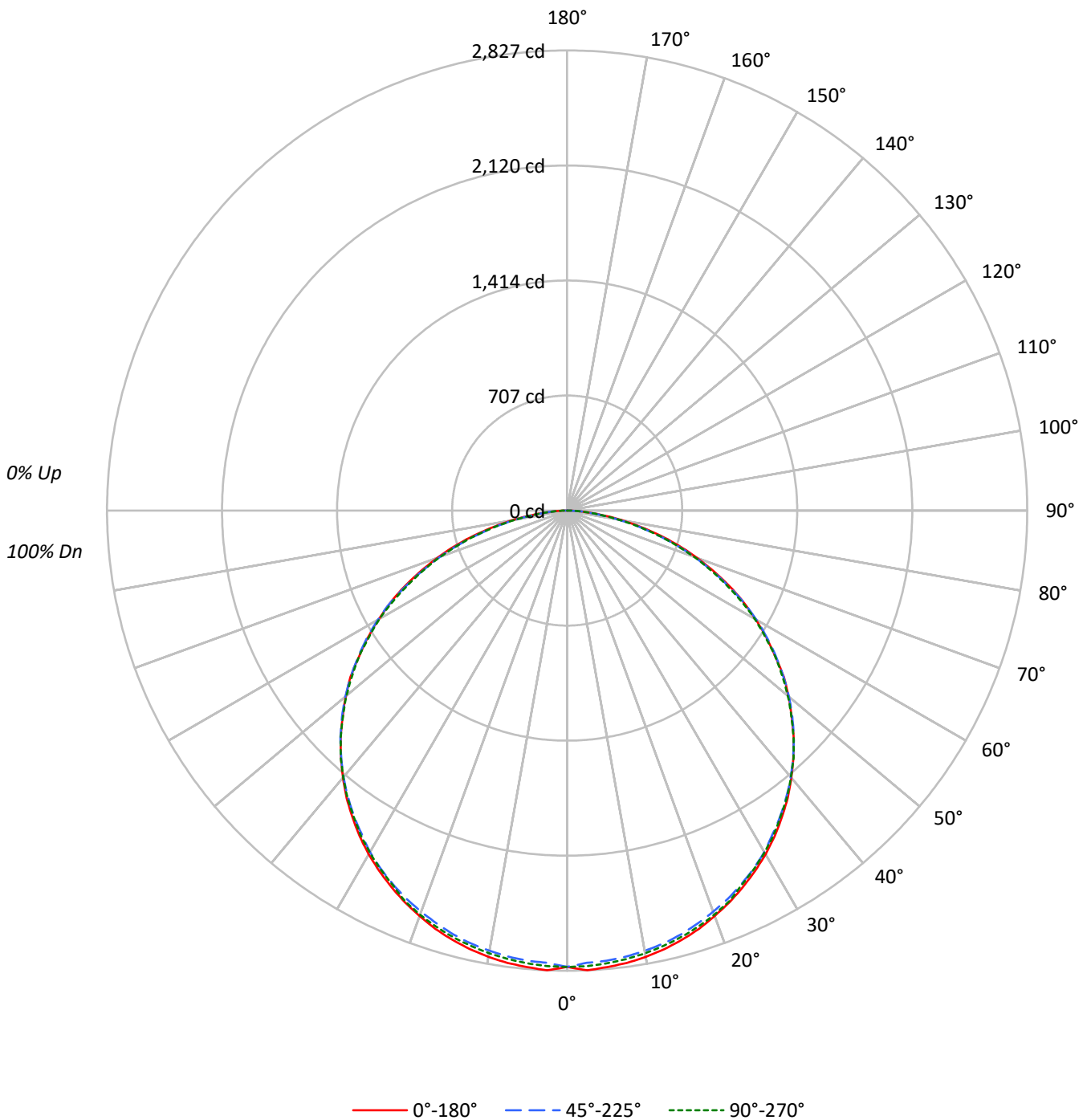
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8391.0 lumens  
Efficiency: N/A  
Efficacy: 162.0 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 (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°	30172	30172	30172
5°	30416	29994	30173
10°	30431	30016	30184
15°	30418	30048	30219
20°	30356	30043	30261
25°	30319	30080	30136
30°	30300	30108	30137
35°	30225	30037	30085
40°	30103	30037	30053
45°	29940	29994	29940
50°	29737	29797	29638
55°	29274	29429	29274
60°	28781	28910	28654
65°	28067	27736	27433
70°	26732	26134	26058
75°	24666	23485	23581
80°	21107	19780	20146
85°	15672	15388	14363



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.0	3.2
10°-20°	766.5	9.1
20°-30°	1173.4	14.0
30°-40°	1435.4	17.1
40°-50°	1518.2	18.1
50°-60°	1398.9	16.7
60°-70°	1076.7	12.8
70°-80°	604.9	7.2
80°-90°	150.9	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°	2206.0	26.3
0°-40°	3641.4	43.4
0°-60°	6558.5	78.2
0°-90°	8391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8391.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2803	2803	2803	2803	2803	
5°	2815	2807	2776	2801	2792	268
15°	2730	2722	2696	2720	2712	771
25°	2553	2550	2533	2550	2537	1177
35°	2300	2297	2286	2297	2290	1439
45°	1967	1973	1970	1966	1967	1517
55°	1560	1574	1568	1564	1560	1397
65°	1102	1104	1089	1074	1077	1087
75°	593	584	565	556	567	625
85°	127	125	125	121	116	157
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2803.1	2803.1	2803.1	2803.1	2803.1
2.5°	2826.9	2811.5	2780.6	2807.9	2800.8
5°	2815.0	2806.7	2775.9	2800.8	2792.5
7.5°	2803.1	2793.7	2764.0	2791.3	2779.4
10°	2784.2	2775.9	2746.2	2772.3	2761.6
12.5°	2759.3	2752.1	2724.9	2749.8	2739.1
15°	2729.6	2722.5	2696.4	2720.1	2711.8
17.5°	2694.0	2685.7	2660.8	2685.7	2679.8
20°	2650.1	2645.4	2622.8	2645.4	2641.8
22.5°	2605.0	2599.1	2581.3	2597.9	2599.1
25°	2552.8	2550.5	2532.7	2550.5	2537.4
27.5°	2498.3	2498.3	2480.5	2492.3	2484.0
30°	2437.8	2436.6	2422.4	2428.3	2424.7
32.5°	2372.5	2371.3	2352.4	2367.8	2361.9
35°	2300.2	2296.6	2285.9	2296.6	2289.5
37.5°	2225.4	2221.9	2213.6	2219.5	2218.3
40°	2142.4	2142.4	2137.7	2142.4	2138.8
42.5°	2057.0	2060.5	2054.6	2059.4	2059.4
45°	1966.8	1972.8	1970.4	1965.6	1966.8
47.5°	1870.7	1881.4	1875.5	1874.3	1868.4
50°	1775.8	1785.3	1779.4	1773.5	1769.9
52.5°	1677.4	1682.1	1675.0	1672.6	1664.3
55°	1559.9	1574.2	1568.2	1563.5	1559.9
57.5°	1452.0	1462.7	1457.9	1448.4	1442.5
60°	1336.9	1345.2	1342.9	1332.2	1331.0
62.5°	1224.2	1226.6	1224.2	1205.2	1206.4
65°	1102.0	1104.4	1089.0	1073.6	1077.1
67.5°	973.9	981.0	959.7	937.2	952.6
70°	849.4	847.0	830.4	805.5	828.0
72.5°	721.2	718.9	699.9	682.1	697.5
75°	593.1	583.6	564.7	556.4	567.0
77.5°	460.3	449.6	441.3	435.4	440.1
80°	340.5	326.2	319.1	314.4	325.0
82.5°	226.6	215.9	212.3	215.9	213.5
85°	126.9	124.6	124.6	121.0	116.3
87.5°	52.2	54.6	55.8	54.6	52.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)