

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: P566798

Luminaire Tested: **4SNX-74HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566798
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-L830-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

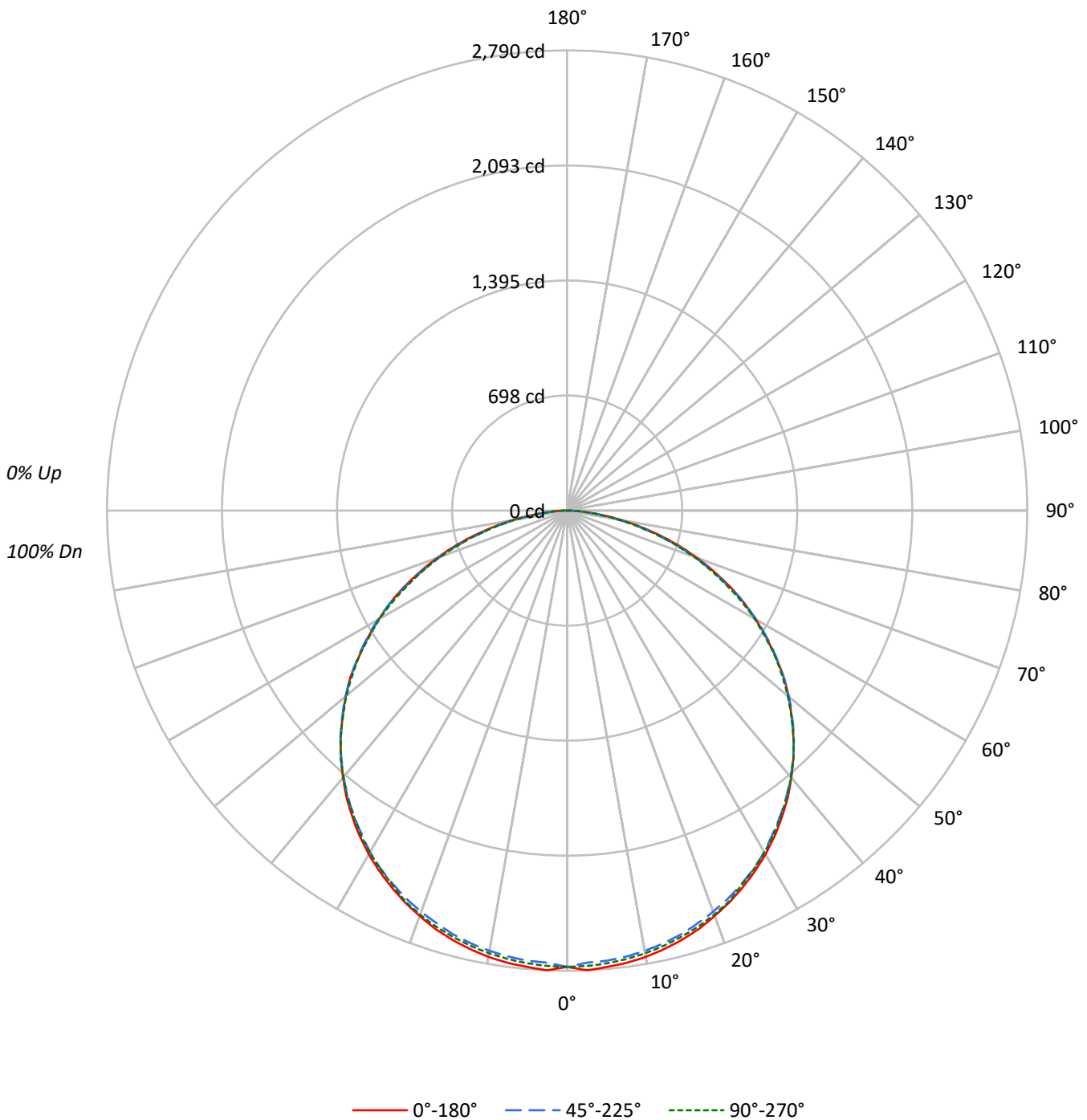
Lumens per Lamp: N/A
Luminaire Lumens: 8280.0 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	29774	29774	29774
5°	30014	29596	29773
10°	30028	29619	29785
15°	30015	29650	29819
20°	29955	29646	29861
25°	29919	29682	29738
30°	29898	29709	29739
35°	29825	29641	29687
40°	29706	29640	29655
45°	29544	29597	29544
50°	29343	29404	29246
55°	28887	29041	28887
60°	28400	28527	28275
65°	27698	27370	27072
70°	26376	25788	25715
75°	24342	23173	23269
80°	20828	19520	19879
85°	15475	15178	14166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	3.2
10°-20°	756.4	9.1
20°-30°	1157.9	14.0
30°-40°	1416.4	17.1
40°-50°	1498.2	18.1
50°-60°	1380.4	16.7
60°-70°	1062.4	12.8
70°-80°	596.9	7.2
80°-90°	148.9	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°	2176.8	26.3
0°-40°	3593.2	43.4
0°-60°	6471.8	78.2
0°-90°	8280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2766	2766	2766	2766	2766	
5°	2778	2770	2739	2764	2756	264
15°	2694	2686	2661	2684	2676	760
25°	2519	2517	2499	2517	2504	1162
35°	2270	2266	2256	2266	2259	1420
45°	1941	1947	1944	1940	1941	1497
55°	1539	1553	1548	1543	1539	1379
65°	1088	1090	1075	1059	1063	1073
75°	585	576	557	549	560	616
85°	125	123	123	119	115	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2766.1	2766.1	2766.1	2766.1	2766.1
2.5°	2789.5	2774.3	2743.8	2770.7	2763.7
5°	2777.8	2769.6	2739.1	2763.7	2755.5
7.5°	2766.1	2756.7	2727.4	2754.4	2742.7
10°	2747.3	2739.1	2709.9	2735.6	2725.1
12.5°	2722.8	2715.7	2688.8	2713.4	2702.9
15°	2693.5	2686.5	2660.7	2684.1	2675.9
17.5°	2658.4	2650.2	2625.6	2650.2	2644.3
20°	2615.1	2610.4	2588.1	2610.4	2606.9
22.5°	2570.6	2564.7	2547.2	2563.6	2564.7
25°	2519.1	2516.7	2499.2	2516.7	2503.9
27.5°	2465.2	2465.2	2447.7	2459.4	2451.2
30°	2405.5	2404.4	2390.3	2396.2	2392.7
32.5°	2341.1	2340.0	2321.2	2336.5	2330.6
35°	2269.7	2266.2	2255.7	2266.2	2259.2
37.5°	2196.0	2192.5	2184.3	2190.1	2189.0
40°	2114.1	2114.1	2109.4	2114.1	2110.5
42.5°	2029.8	2033.3	2027.4	2032.1	2032.1
45°	1940.8	1946.7	1944.3	1939.6	1940.8
47.5°	1846.0	1856.5	1850.7	1849.5	1843.7
50°	1752.3	1761.7	1755.9	1750.0	1746.5
52.5°	1655.2	1659.9	1652.9	1650.5	1642.3
55°	1539.3	1553.4	1547.5	1542.8	1539.3
57.5°	1432.8	1443.3	1438.6	1429.3	1423.4
60°	1319.2	1327.4	1325.1	1314.6	1313.4
62.5°	1208.0	1210.4	1208.0	1189.3	1190.5
65°	1087.5	1089.8	1074.6	1059.4	1062.9
67.5°	961.0	968.1	947.0	924.8	940.0
70°	838.1	835.8	819.4	794.8	817.1
72.5°	711.7	709.4	690.6	673.1	688.3
75°	585.3	575.9	557.2	549.0	559.5
77.5°	454.2	443.6	435.5	429.6	434.3
80°	336.0	321.9	314.9	310.2	320.7
82.5°	223.6	213.0	209.5	213.0	210.7
85°	125.3	122.9	122.9	119.4	114.7
87.5°	51.5	53.8	55.0	53.8	51.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)