

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: P565982

Luminaire Tested: **4SNX-100HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565982
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-100HL-UNV-L830-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

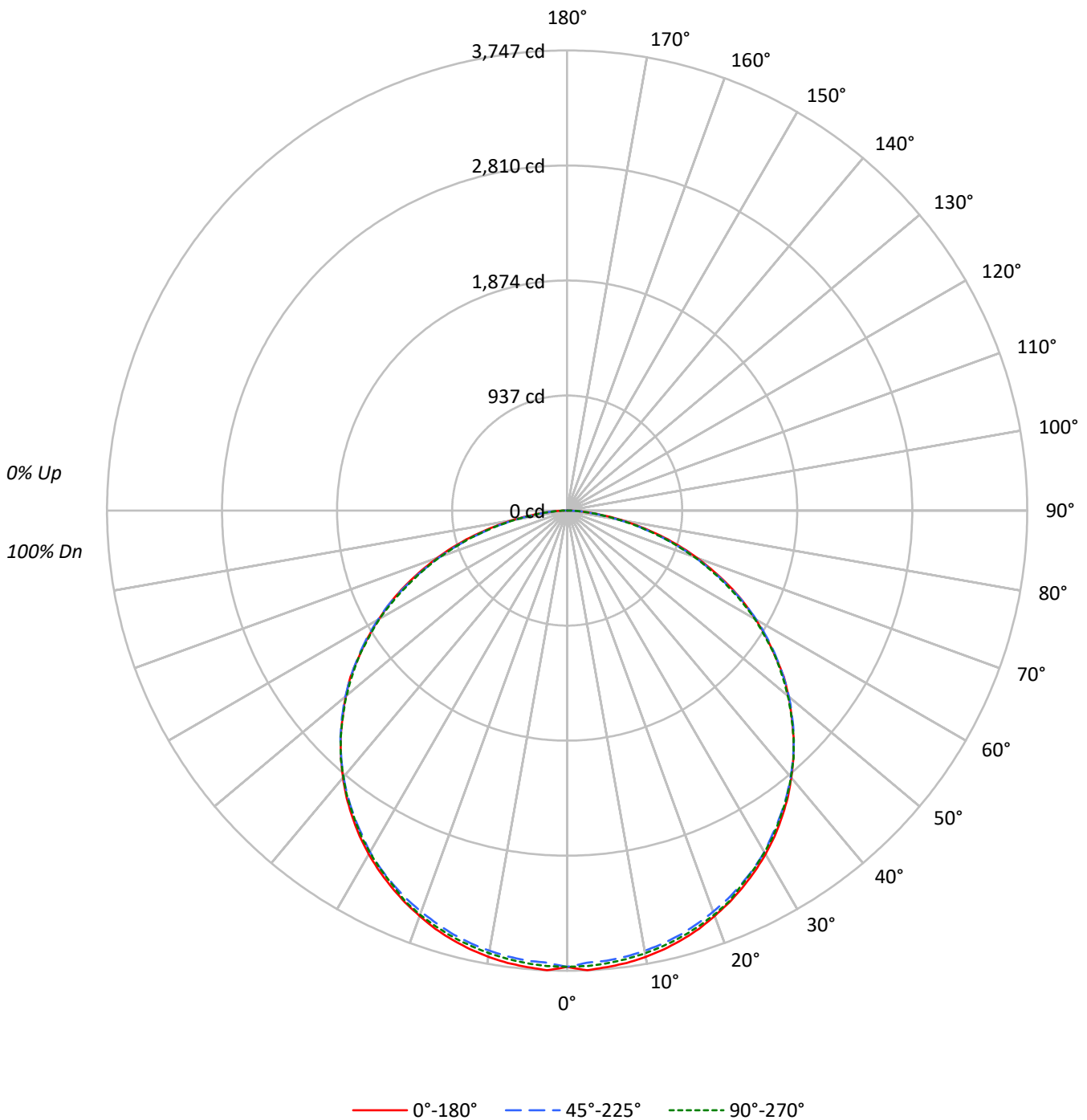
Lumens per Lamp: N/A
Luminaire Lumens: 11121.0 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 72.5
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°	39989	39989	39989
5°	40312	39752	39989
10°	40332	39782	40005
15°	40314	39823	40051
20°	40232	39819	40106
25°	40184	39866	39941
30°	40157	39904	39942
35°	40058	39811	39873
40°	39897	39809	39831
45°	39680	39753	39680
50°	39413	39491	39280
55°	38799	39006	38799
60°	38145	38313	37975
65°	37201	36760	36360
70°	35428	34638	34537
75°	32693	31125	31254
80°	27968	26214	26704
85°	20773	20390	19032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	3.2
10°-20°	1015.9	9.1
20°-30°	1555.2	14.0
30°-40°	1902.5	17.1
40°-50°	2012.2	18.1
50°-60°	1854.0	16.7
60°-70°	1427.0	12.8
70°-80°	801.7	7.2
80°-90°	200.0	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°	2923.7	26.3
0°-40°	4826.1	43.4
0°-60°	8692.3	78.2
0°-90°	11121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3715	3715	3715	3715	3715	
5°	3731	3720	3679	3712	3701	355
15°	3618	3608	3574	3605	3594	1021
25°	3383	3380	3357	3380	3363	1561
35°	3048	3044	3030	3044	3034	1908
45°	2607	2615	2612	2605	2607	2010
55°	2068	2086	2078	2072	2068	1852
65°	1461	1464	1443	1423	1428	1441
75°	786	774	748	737	752	828
85°	168	165	165	160	154	208
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3715.1	3715.1	3715.1	3715.1	3715.1
2.5°	3746.6	3726.2	3685.3	3721.4	3712.0
5°	3730.9	3719.9	3679.0	3712.0	3701.0
7.5°	3715.1	3702.6	3663.3	3699.4	3683.7
10°	3690.0	3679.0	3639.7	3674.3	3660.1
12.5°	3657.0	3647.5	3611.4	3644.4	3630.2
15°	3617.7	3608.2	3573.6	3605.1	3594.1
17.5°	3570.5	3559.5	3526.5	3559.5	3551.6
20°	3512.3	3506.0	3476.2	3506.0	3501.3
22.5°	3452.6	3444.7	3421.1	3443.2	3444.7
25°	3383.4	3380.3	3356.7	3380.3	3363.0
27.5°	3311.1	3311.1	3287.5	3303.2	3292.2
30°	3230.9	3229.3	3210.5	3218.3	3213.6
32.5°	3144.4	3142.9	3117.7	3138.1	3130.3
35°	3048.5	3043.8	3029.7	3043.8	3034.4
37.5°	2949.5	2944.8	2933.8	2941.6	2940.0
40°	2839.4	2839.4	2833.1	2839.4	2834.7
42.5°	2726.2	2730.9	2723.1	2729.4	2729.4
45°	2606.7	2614.6	2611.5	2605.2	2606.7
47.5°	2479.4	2493.5	2485.7	2484.1	2476.2
50°	2353.6	2366.2	2358.3	2350.5	2345.7
52.5°	2223.1	2229.4	2220.0	2216.8	2205.8
55°	2067.5	2086.3	2078.5	2072.2	2067.5
57.5°	1924.4	1938.5	1932.3	1919.7	1911.8
60°	1771.9	1782.9	1779.7	1765.6	1764.0
62.5°	1622.5	1625.7	1622.5	1597.4	1598.9
65°	1460.6	1463.7	1443.3	1422.9	1427.6
67.5°	1290.8	1300.2	1271.9	1242.1	1262.5
70°	1125.7	1122.6	1100.6	1067.5	1097.4
72.5°	955.9	952.8	927.6	904.0	924.5
75°	786.1	773.5	748.4	737.4	751.5
77.5°	610.0	595.9	584.9	577.0	583.3
80°	451.2	432.4	422.9	416.6	430.8
82.5°	300.3	286.1	281.4	286.1	283.0
85°	168.2	165.1	165.1	160.4	154.1
87.5°	69.2	72.3	73.9	72.3	69.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)