

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: P566078

Luminaire Tested: **4SNX-116HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566078
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-116HL-UNV-L830-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

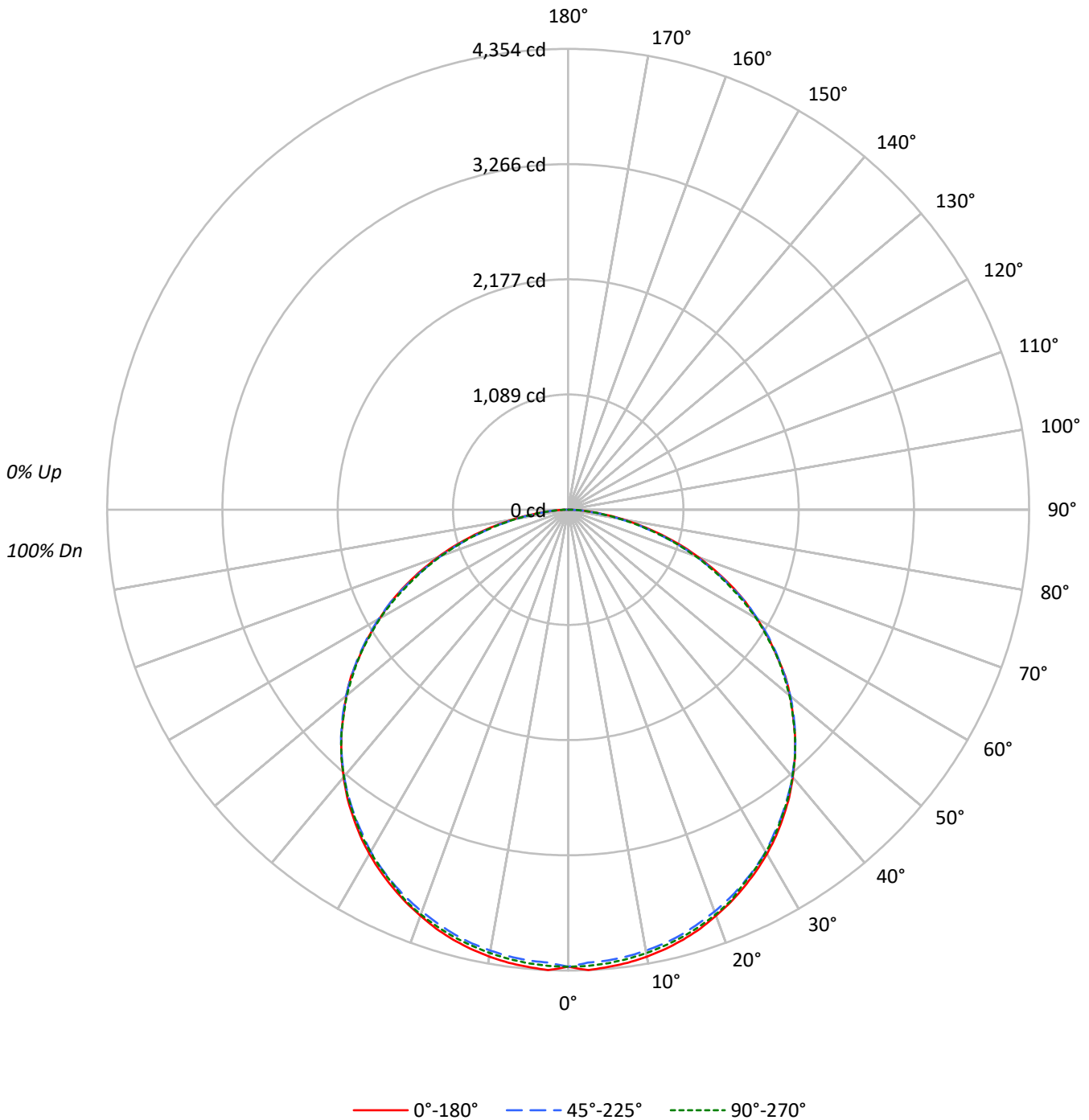
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12925.0 lumens
Efficiency: N/A
Efficacy: 151.3 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): 85.4
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°	46476	46476	46476
5°	46852	46200	46477
10°	46874	46235	46494
15°	46853	46283	46548
20°	46759	46278	46613
25°	46703	46333	46420
30°	46671	46377	46421
35°	46556	46268	46341
40°	46369	46267	46292
45°	46118	46202	46118
50°	45806	45898	45654
55°	45092	45332	45092
60°	44332	44530	44136
65°	43235	42723	42257
70°	41174	40255	40139
75°	37995	36174	36323
80°	32506	30467	31037
85°	24145	23700	22119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.8	3.2
10°-20°	1180.7	9.1
20°-30°	1807.5	14.0
30°-40°	2211.1	17.1
40°-50°	2338.6	18.1
50°-60°	2154.8	16.7
60°-70°	1658.4	12.8
70°-80°	931.7	7.2
80°-90°	232.5	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°	3397.9	26.3
0°-40°	5609.0	43.4
0°-60°	10102.4	78.2
0°-90°	12925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4318	4318	4318	4318	4318	
5°	4336	4323	4276	4314	4301	412
15°	4204	4194	4153	4190	4177	1187
25°	3932	3929	3901	3929	3908	1814
35°	3543	3538	3521	3538	3527	2217
45°	3030	3039	3035	3028	3030	2336
55°	2403	2425	2416	2408	2403	2152
65°	1698	1701	1677	1654	1659	1675
75°	914	899	870	857	873	962
85°	196	192	192	186	179	241
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4317.8	4317.8	4317.8	4317.8	4317.8
2.5°	4354.3	4330.6	4283.1	4325.1	4314.1
5°	4336.1	4323.3	4275.8	4314.1	4301.4
7.5°	4317.8	4303.2	4257.5	4299.5	4281.3
10°	4288.6	4275.8	4230.1	4270.3	4253.8
12.5°	4250.2	4239.2	4197.2	4235.6	4219.1
15°	4204.5	4193.5	4153.3	4189.9	4177.1
17.5°	4149.7	4136.9	4098.5	4136.9	4127.8
20°	4082.1	4074.8	4040.1	4074.8	4069.3
22.5°	4012.7	4003.5	3976.1	4001.7	4003.5
25°	3932.3	3928.6	3901.2	3928.6	3908.5
27.5°	3848.2	3848.2	3820.8	3839.1	3826.3
30°	3755.0	3753.2	3731.3	3740.4	3734.9
32.5°	3654.5	3652.7	3623.4	3647.2	3638.1
35°	3543.0	3537.6	3521.1	3537.6	3526.6
37.5°	3427.9	3422.4	3409.7	3418.8	3417.0
40°	3300.0	3300.0	3292.7	3300.0	3294.5
42.5°	3168.5	3173.9	3164.8	3172.1	3172.1
45°	3029.6	3038.7	3035.1	3027.8	3029.6
47.5°	2881.6	2898.0	2888.9	2887.1	2877.9
50°	2735.4	2750.0	2740.9	2731.7	2726.3
52.5°	2583.7	2591.0	2580.1	2576.4	2563.6
55°	2402.8	2424.8	2415.6	2408.3	2402.8
57.5°	2236.6	2253.0	2245.7	2231.1	2221.9
60°	2059.3	2072.1	2068.5	2052.0	2050.2
62.5°	1885.7	1889.4	1885.7	1856.5	1858.3
65°	1697.5	1701.2	1677.4	1653.7	1659.1
67.5°	1500.2	1511.1	1478.2	1443.5	1467.3
70°	1308.3	1304.7	1279.1	1240.7	1275.4
72.5°	1111.0	1107.3	1078.1	1050.7	1074.4
75°	913.6	899.0	869.8	857.0	873.4
77.5°	709.0	692.5	679.7	670.6	677.9
80°	524.4	502.5	491.5	484.2	500.7
82.5°	349.0	332.6	327.1	332.6	328.9
85°	195.5	191.9	191.9	186.4	179.1
87.5°	80.4	84.1	85.9	84.1	80.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)