

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: P566083

Luminaire Tested: **4SNX-116HL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566083  
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-L935-CD  
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

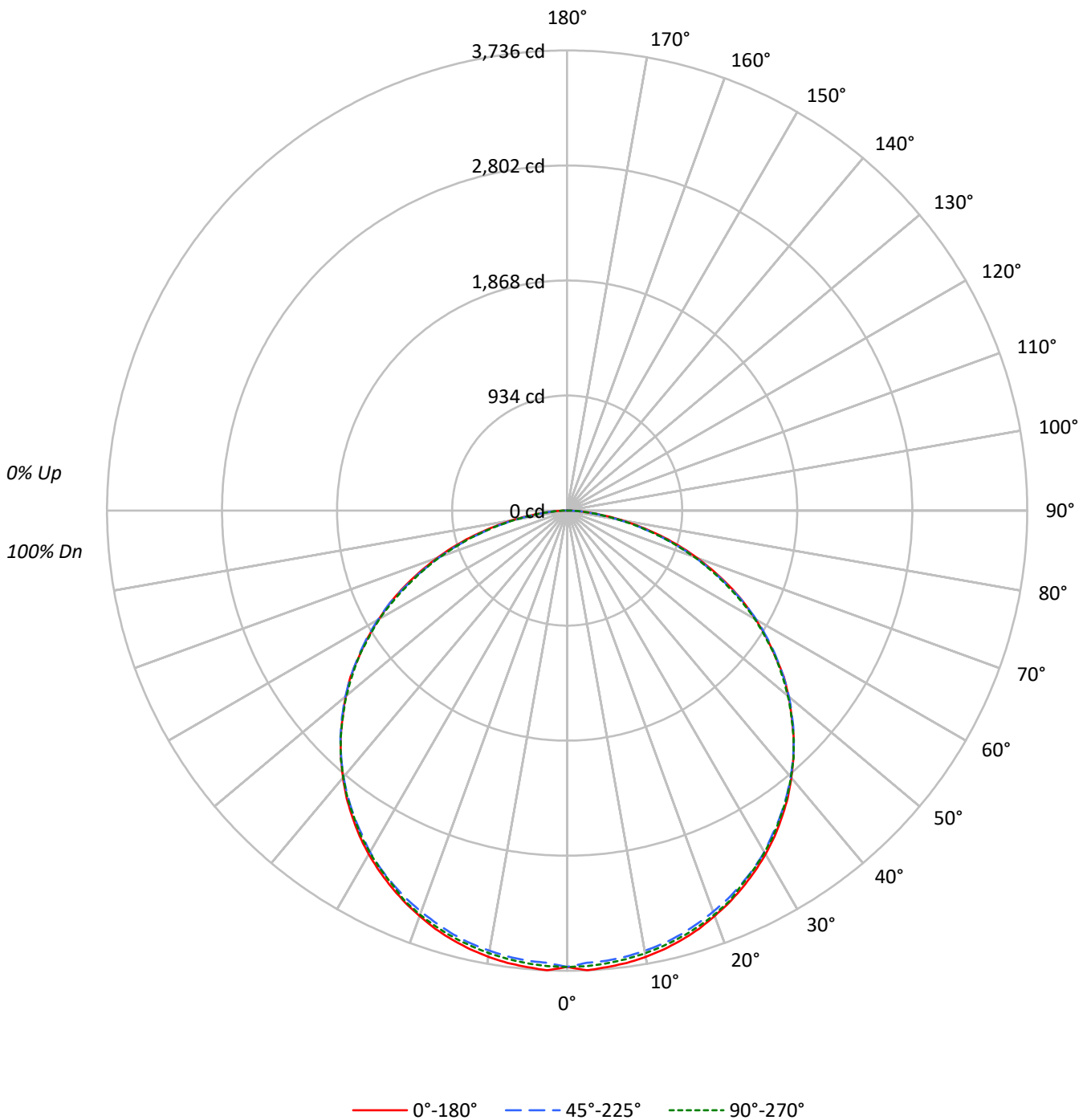
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11089.0 lumens  
Efficiency: N/A  
Efficacy: 129.8 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): 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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	39875	39875	39875
5°	40196	39637	39874
10°	40216	39667	39890
15°	40198	39709	39935
20°	40117	39704	39992
25°	40068	39751	39826
30°	40042	39788	39828
35°	39944	39696	39757
40°	39783	39695	39716
45°	39566	39638	39566
50°	39299	39377	39168
55°	38687	38893	38687
60°	38035	38203	37867
65°	37094	36653	36256
70°	35327	34537	34436
75°	32597	31033	31166
80°	27888	26140	26623
85°	20711	20328	18970



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.6	3.2
10°-20°	1013.0	9.1
20°-30°	1550.7	14.0
30°-40°	1897.0	17.1
40°-50°	2006.4	18.1
50°-60°	1848.7	16.7
60°-70°	1422.9	12.8
70°-80°	799.4	7.2
80°-90°	199.4	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°	2915.2	26.3
0°-40°	4812.2	43.4
0°-60°	8667.3	78.2
0°-90°	11089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11089.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3704	3704	3704	3704	3704	
5°	3720	3709	3668	3701	3690	354
15°	3607	3598	3563	3595	3584	1018
25°	3374	3370	3347	3370	3353	1556
35°	3040	3035	3021	3035	3026	1902
45°	2599	2607	2604	2598	2599	2004
55°	2062	2080	2072	2066	2062	1846
65°	1456	1460	1439	1419	1424	1437
75°	784	771	746	735	749	826
85°	168	165	165	160	154	207
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3704.5	3704.5	3704.5	3704.5	3704.5
2.5°	3735.8	3715.4	3674.7	3710.7	3701.3
5°	3720.1	3709.2	3668.4	3701.3	3690.3
7.5°	3704.5	3691.9	3652.7	3688.8	3673.1
10°	3679.4	3668.4	3629.2	3663.7	3649.6
12.5°	3646.5	3637.0	3601.0	3633.9	3619.8
15°	3607.3	3597.9	3563.4	3594.7	3583.7
17.5°	3560.2	3549.3	3516.3	3549.3	3541.4
20°	3502.2	3496.0	3466.2	3496.0	3491.3
22.5°	3442.7	3434.8	3411.3	3433.2	3434.8
25°	3373.7	3370.5	3347.0	3370.5	3353.3
27.5°	3301.6	3301.6	3278.0	3293.7	3282.7
30°	3221.6	3220.0	3201.2	3209.1	3204.4
32.5°	3135.4	3133.8	3108.7	3129.1	3121.3
35°	3039.8	3035.1	3020.9	3035.1	3025.6
37.5°	2941.0	2936.3	2925.3	2933.2	2931.6
40°	2831.3	2831.3	2825.0	2831.3	2826.5
42.5°	2718.4	2723.1	2715.2	2721.5	2721.5
45°	2599.2	2607.1	2603.9	2597.7	2599.2
47.5°	2472.3	2486.4	2478.5	2477.0	2469.1
50°	2346.8	2359.4	2351.5	2343.7	2339.0
52.5°	2216.7	2223.0	2213.6	2210.4	2199.5
55°	2061.5	2080.3	2072.5	2066.2	2061.5
57.5°	1918.9	1933.0	1926.7	1914.2	1906.3
60°	1766.8	1777.8	1774.6	1760.5	1759.0
62.5°	1617.9	1621.0	1617.9	1592.8	1594.3
65°	1456.4	1459.5	1439.1	1418.8	1423.5
67.5°	1287.1	1296.5	1268.3	1238.5	1258.9
70°	1122.5	1119.3	1097.4	1064.5	1094.2
72.5°	953.2	950.0	924.9	901.4	921.8
75°	783.8	771.3	746.2	735.2	749.4
77.5°	608.3	594.2	583.2	575.3	581.6
80°	449.9	431.1	421.7	415.4	429.5
82.5°	299.4	285.3	280.6	285.3	282.2
85°	167.7	164.6	164.6	159.9	153.6
87.5°	69.0	72.1	73.7	72.1	69.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)