

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: P566079

Luminaire Tested: **4SNX-116HL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566079  
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-L835-CD  
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

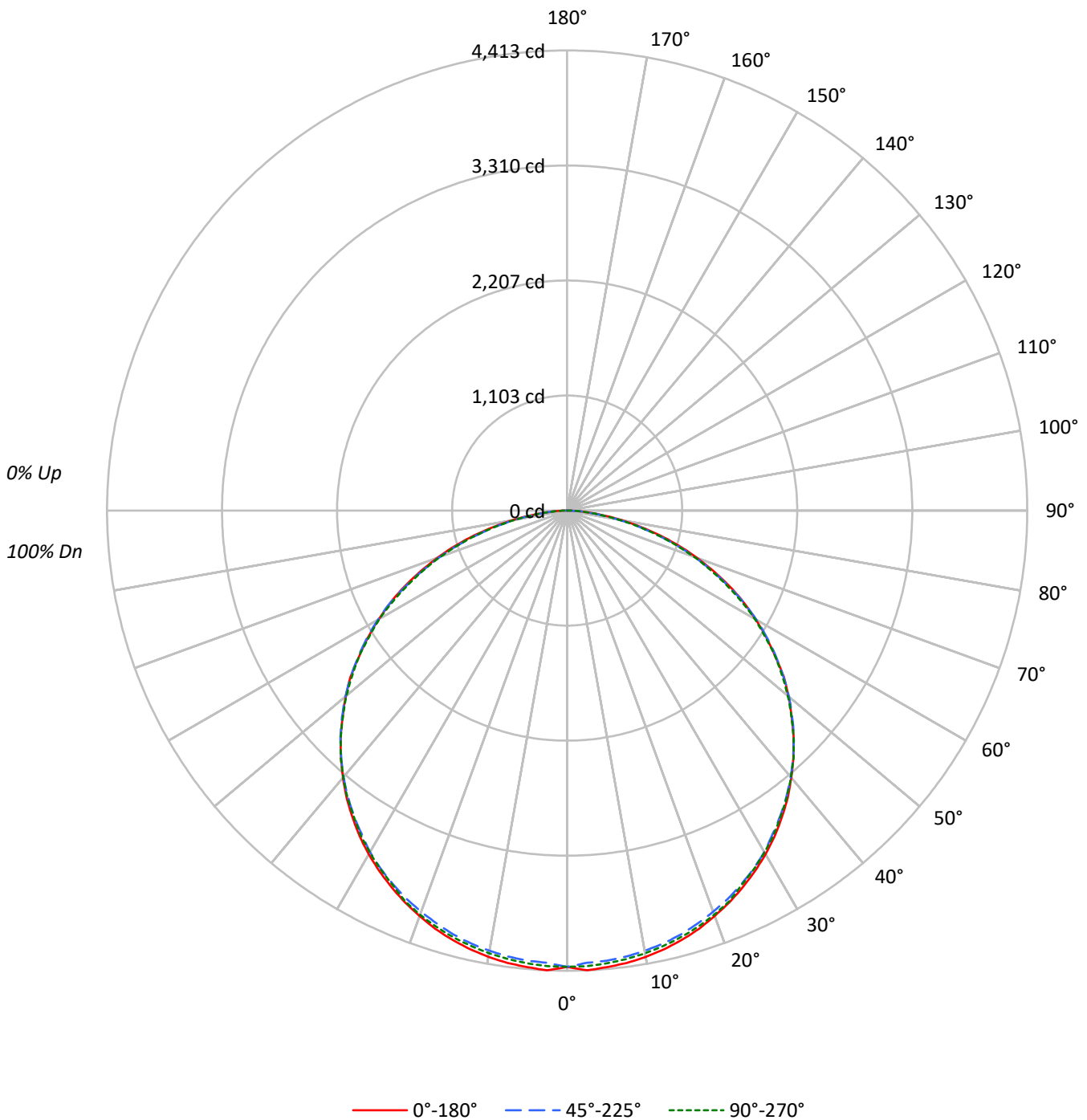
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13098.0 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): 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°	47099	47099	47099
5°	47478	46818	47098
10°	47502	46853	47117
15°	47481	46902	47171
20°	47385	46897	47237
25°	47327	46953	47041
30°	47296	46997	47043
35°	47180	46887	46961
40°	46990	46886	46912
45°	46735	46820	46735
50°	46419	46513	46265
55°	45696	45940	45696
60°	44926	45124	44726
65°	43813	43296	42825
70°	41725	40793	40677
75°	38507	36656	36810
80°	32940	30876	31452
85°	24466	24009	22416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	415.3	3.2
10°-20°	1196.5	9.1
20°-30°	1831.7	14.0
30°-40°	2240.7	17.1
40°-50°	2369.9	18.1
50°-60°	2183.6	16.7
60°-70°	1680.7	12.8
70°-80°	944.2	7.2
80°-90°	235.5	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°	3443.4	26.3
0°-40°	5684.1	43.4
0°-60°	10237.6	78.2
0°-90°	13098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13098.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4376	4376	4376	4376	4376	
5°	4394	4381	4333	4372	4359	418
15°	4261	4250	4209	4246	4233	1203
25°	3985	3981	3953	3981	3961	1838
35°	3590	3585	3568	3585	3574	2247
45°	3070	3079	3076	3068	3070	2367
55°	2435	2457	2448	2441	2435	2181
65°	1720	1724	1700	1676	1681	1697
75°	926	911	881	868	885	975
85°	198	194	194	189	182	245
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4412.6	4388.6	4340.4	4383.0	4371.9
5°	4394.1	4381.2	4333.0	4371.9	4358.9
7.5°	4375.6	4360.8	4314.5	4357.1	4338.6
10°	4346.0	4333.0	4286.7	4327.5	4310.8
12.5°	4307.1	4296.0	4253.4	4292.3	4275.6
15°	4260.8	4249.7	4208.9	4246.0	4233.0
17.5°	4205.2	4192.3	4153.4	4192.3	4183.0
20°	4136.7	4129.3	4094.1	4129.3	4123.8
22.5°	4066.4	4057.1	4029.3	4055.2	4057.1
25°	3984.9	3981.2	3953.4	3981.2	3960.8
27.5°	3899.7	3899.7	3871.9	3890.4	3877.5
30°	3805.3	3803.4	3781.2	3790.5	3784.9
32.5°	3703.4	3701.6	3671.9	3696.0	3686.8
35°	3590.5	3584.9	3568.2	3584.9	3573.8
37.5°	3473.8	3468.3	3455.3	3464.6	3462.7
40°	3344.2	3344.2	3336.8	3344.2	3338.6
42.5°	3210.9	3216.4	3207.2	3214.6	3214.6
45°	3070.1	3079.4	3075.7	3068.3	3070.1
47.5°	2920.1	2936.8	2927.6	2925.7	2916.4
50°	2772.0	2786.8	2777.6	2768.3	2762.8
52.5°	2618.3	2625.7	2614.6	2610.9	2598.0
55°	2435.0	2457.2	2448.0	2440.6	2435.0
57.5°	2266.5	2283.2	2275.8	2260.9	2251.7
60°	2086.9	2099.8	2096.1	2079.5	2077.6
62.5°	1911.0	1914.7	1911.0	1881.3	1883.2
65°	1720.2	1723.9	1699.9	1675.8	1681.4
67.5°	1520.3	1531.4	1498.0	1462.9	1486.9
70°	1325.8	1322.1	1296.2	1257.3	1292.5
72.5°	1125.8	1122.1	1092.5	1064.7	1088.8
75°	925.9	911.0	881.4	868.5	885.1
77.5°	718.5	701.8	688.8	679.6	687.0
80°	531.4	509.2	498.1	490.7	507.4
82.5°	353.7	337.0	331.5	337.0	333.3
85°	198.1	194.4	194.4	188.9	181.5
87.5°	81.5	85.2	87.0	85.2	81.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)