

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: P565984

Luminaire Tested: **4SNX-100HL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565984  
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-L840-CD  
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

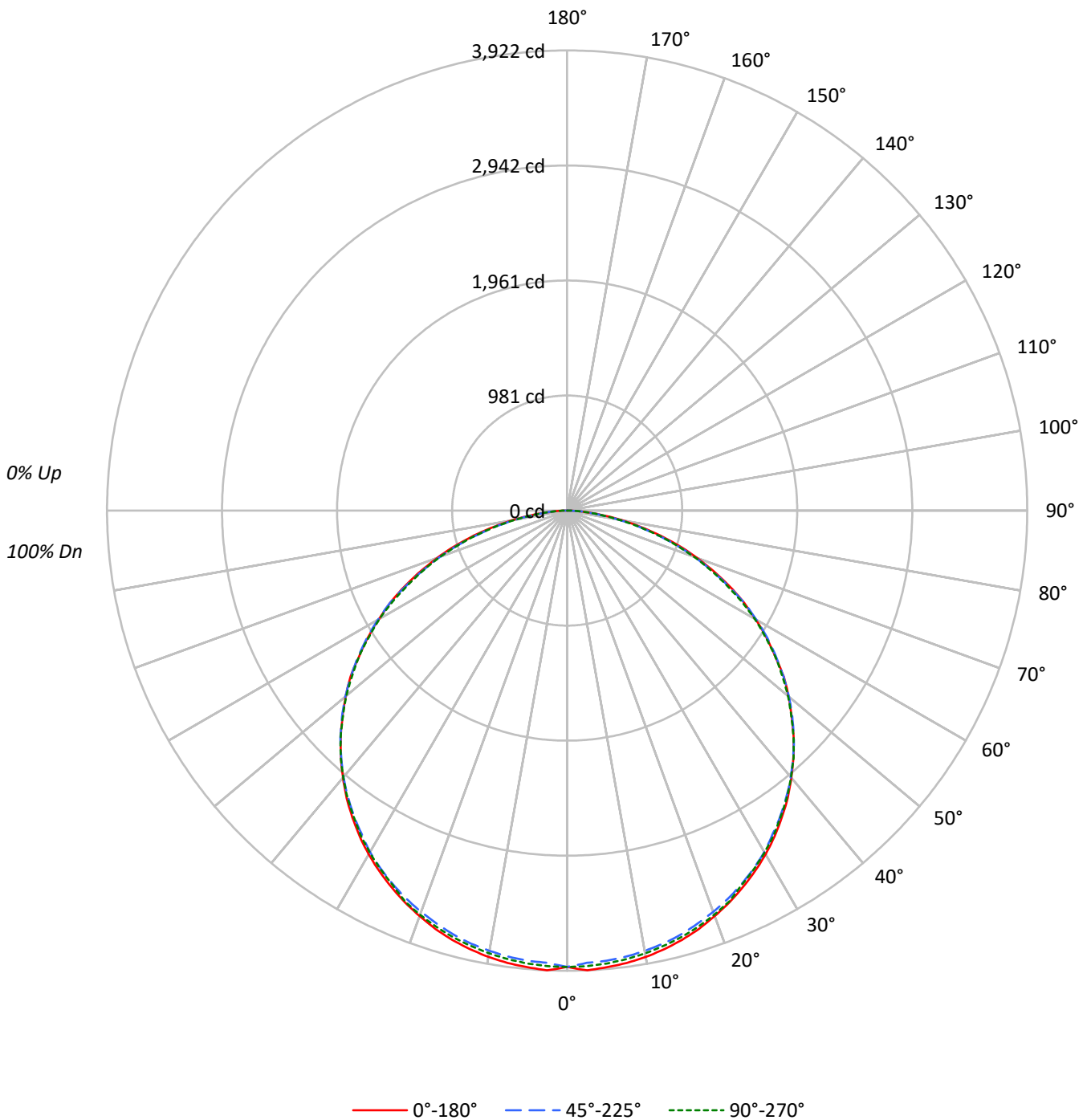
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11643.0 lumens  
Efficiency: N/A  
Efficacy: 160.6 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

TEST NUMBER: P565984  
CATALOG NUMBER: 4SNX-100HL-UNV-L840-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565984

CATALOG NUMBER: 4SNX-100HL-UNV-L840-CD

**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°	41866	41866	41866
5°	42204	41618	41866
10°	42225	41649	41883
15°	42206	41693	41931
20°	42121	41687	41990
25°	42070	41737	41815
30°	42043	41777	41818
35°	41939	41680	41744
40°	41770	41678	41701
45°	41544	41618	41544
50°	41263	41345	41126
55°	40620	40835	40620
60°	39936	40113	39758
65°	38946	38485	38067
70°	37089	36262	36158
75°	34227	32585	32722
80°	29283	27448	27956
85°	21749	21341	19921



TEST NUMBER: P565984

CATALOG NUMBER: 4SNX-100HL-UNV-L840-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.1	3.2
10°-20°	1063.6	9.1
20°-30°	1628.2	14.0
30°-40°	1991.8	17.1
40°-50°	2106.6	18.1
50°-60°	1941.1	16.7
60°-70°	1493.9	12.8
70°-80°	839.3	7.2
80°-90°	209.4	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°	3060.9	26.3
0°-40°	5052.6	43.4
0°-60°	9100.3	78.2
0°-90°	11643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11643.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3890	3890	3890	3890	3890	
5°	3906	3894	3852	3886	3875	372
15°	3788	3778	3741	3774	3763	1069
25°	3542	3539	3514	3539	3521	1634
35°	3192	3187	3172	3187	3177	1997
45°	2729	2737	2734	2727	2729	2104
55°	2164	2184	2176	2169	2164	1938
65°	1529	1532	1511	1490	1495	1508
75°	823	810	784	772	787	867
85°	176	173	173	168	161	217
90°	0	0	0	0	0	



TEST NUMBER: P565984

CATALOG NUMBER: 4SNX-100HL-UNV-L840-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3889.5	3889.5	3889.5	3889.5	3889.5
2.5°	3922.4	3901.1	3858.3	3896.1	3886.2
5°	3906.0	3894.5	3851.7	3886.2	3874.7
7.5°	3889.5	3876.4	3835.2	3873.1	3856.6
10°	3863.2	3851.7	3810.5	3846.7	3831.9
12.5°	3828.6	3818.8	3780.9	3815.5	3800.6
15°	3787.5	3777.6	3741.4	3774.3	3762.8
17.5°	3738.1	3726.6	3692.0	3726.6	3718.3
20°	3677.2	3670.6	3639.3	3670.6	3665.7
22.5°	3614.6	3606.4	3581.7	3604.8	3606.4
25°	3542.2	3538.9	3514.2	3538.9	3520.8
27.5°	3466.5	3466.5	3441.8	3458.3	3446.8
30°	3382.6	3380.9	3361.2	3369.4	3364.5
32.5°	3292.0	3290.4	3264.0	3285.4	3277.2
35°	3191.6	3186.7	3171.9	3186.7	3176.8
37.5°	3087.9	3083.0	3071.5	3079.7	3078.0
40°	2972.7	2972.7	2966.1	2972.7	2967.8
42.5°	2854.2	2859.1	2850.9	2857.5	2857.5
45°	2729.1	2737.3	2734.0	2727.4	2729.1
47.5°	2595.8	2610.6	2602.3	2600.7	2592.5
50°	2464.1	2477.3	2469.0	2460.8	2455.9
52.5°	2327.5	2334.0	2324.2	2320.9	2309.4
55°	2164.5	2184.3	2176.0	2169.4	2164.5
57.5°	2014.7	2029.5	2023.0	2009.8	2001.6
60°	1855.1	1866.6	1863.3	1848.5	1846.8
62.5°	1698.7	1702.0	1698.7	1672.3	1674.0
65°	1529.1	1532.4	1511.0	1489.6	1494.6
67.5°	1351.4	1361.3	1331.6	1300.4	1321.7
70°	1178.5	1175.3	1152.2	1117.6	1148.9
72.5°	1000.8	997.5	971.1	946.5	967.9
75°	823.0	809.8	783.5	772.0	786.8
77.5°	638.7	623.8	612.3	604.1	610.7
80°	472.4	452.7	442.8	436.2	451.0
82.5°	314.4	299.6	294.6	299.6	296.3
85°	176.1	172.8	172.8	167.9	161.3
87.5°	72.4	75.7	77.4	75.7	72.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)