

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: P565985

Luminaire Tested: **4SNX-100HL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

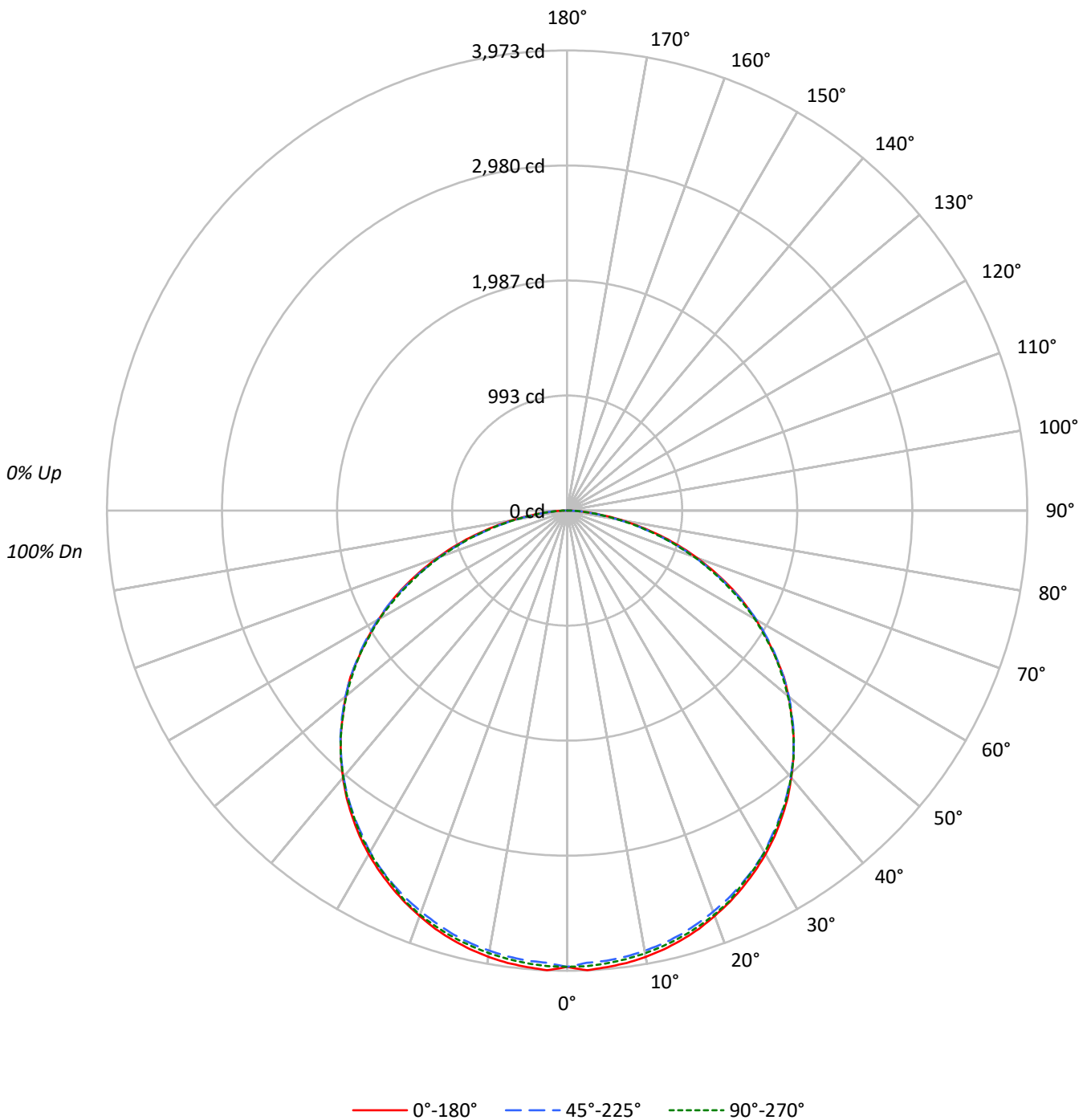
Test Method: LM-79-08  
Report Number: P565985  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-100HL-UNV-L850-CD  
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11792.0 lumens  
Efficiency: N/A  
Efficacy: 162.6 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

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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°	42402	42402	42402
5°	42745	42150	42402
10°	42765	42182	42419
15°	42746	42227	42467
20°	42661	42221	42527
25°	42609	42271	42351
30°	42580	42311	42352
35°	42476	42213	42279
40°	42304	42211	42234
45°	42075	42151	42075
50°	41791	41874	41652
55°	41140	41359	41140
60°	40446	40625	40268
65°	39445	38979	38553
70°	37564	36727	36620
75°	34664	33001	33142
80°	29661	27795	28316
85°	22033	21613	20180



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.8	3.2
10°-20°	1077.2	9.1
20°-30°	1649.0	14.0
30°-40°	2017.2	17.1
40°-50°	2133.6	18.1
50°-60°	1965.9	16.7
60°-70°	1513.1	12.8
70°-80°	850.1	7.2
80°-90°	212.1	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°	3100.1	26.3
0°-40°	5117.3	43.4
0°-60°	9216.8	78.2
0°-90°	11792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11792.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3939	3939	3939	3939	3939	
5°	3956	3944	3901	3936	3924	376
15°	3836	3826	3789	3823	3811	1083
25°	3588	3584	3559	3584	3566	1655
35°	3232	3228	3212	3228	3218	2023
45°	2764	2772	2769	2762	2764	2131
55°	2192	2212	2204	2197	2192	1963
65°	1549	1552	1530	1509	1514	1528
75°	834	820	794	782	797	878
85°	178	175	175	170	163	220
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3939.3	3939.3	3939.3	3939.3	3939.3
2.5°	3972.6	3951.0	3907.6	3946.0	3936.0
5°	3956.0	3944.3	3901.0	3936.0	3924.3
7.5°	3939.3	3926.0	3884.3	3922.6	3906.0
10°	3912.6	3901.0	3859.3	3896.0	3881.0
12.5°	3877.6	3867.6	3829.3	3864.3	3849.3
15°	3835.9	3825.9	3789.3	3822.6	3810.9
17.5°	3785.9	3774.3	3739.3	3774.3	3765.9
20°	3724.3	3717.6	3685.9	3717.6	3712.6
22.5°	3660.9	3652.6	3627.6	3650.9	3652.6
25°	3587.6	3584.2	3559.2	3584.2	3565.9
27.5°	3510.9	3510.9	3485.9	3502.5	3490.9
30°	3425.8	3424.2	3404.2	3412.5	3407.5
32.5°	3334.2	3332.5	3305.8	3327.5	3319.2
35°	3232.5	3227.5	3212.5	3227.5	3217.5
37.5°	3127.4	3122.4	3110.8	3119.1	3117.4
40°	3010.7	3010.7	3004.1	3010.7	3005.7
42.5°	2890.7	2895.7	2887.4	2894.0	2894.0
45°	2764.0	2772.4	2769.0	2762.3	2764.0
47.5°	2629.0	2644.0	2635.7	2634.0	2625.6
50°	2495.6	2509.0	2500.6	2492.3	2487.3
52.5°	2357.2	2363.9	2353.9	2350.6	2338.9
55°	2192.2	2212.2	2203.9	2197.2	2192.2
57.5°	2040.5	2055.5	2048.8	2035.5	2027.2
60°	1878.8	1890.5	1887.1	1872.1	1870.5
62.5°	1720.4	1723.8	1720.4	1693.8	1695.4
65°	1548.7	1552.0	1530.4	1508.7	1513.7
67.5°	1368.7	1378.7	1348.7	1317.0	1338.7
70°	1193.6	1190.3	1167.0	1131.9	1163.6
72.5°	1013.6	1010.2	983.6	958.6	980.2
75°	833.5	820.2	793.5	781.9	796.9
77.5°	646.8	631.8	620.2	611.8	618.5
80°	478.5	458.4	448.4	441.8	456.8
82.5°	318.4	303.4	298.4	303.4	300.1
85°	178.4	175.0	175.0	170.0	163.4
87.5°	73.4	76.7	78.4	76.7	73.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)