

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: P565986

Luminaire Tested: **4SNX-100HL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565986  
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-L930-CD  
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

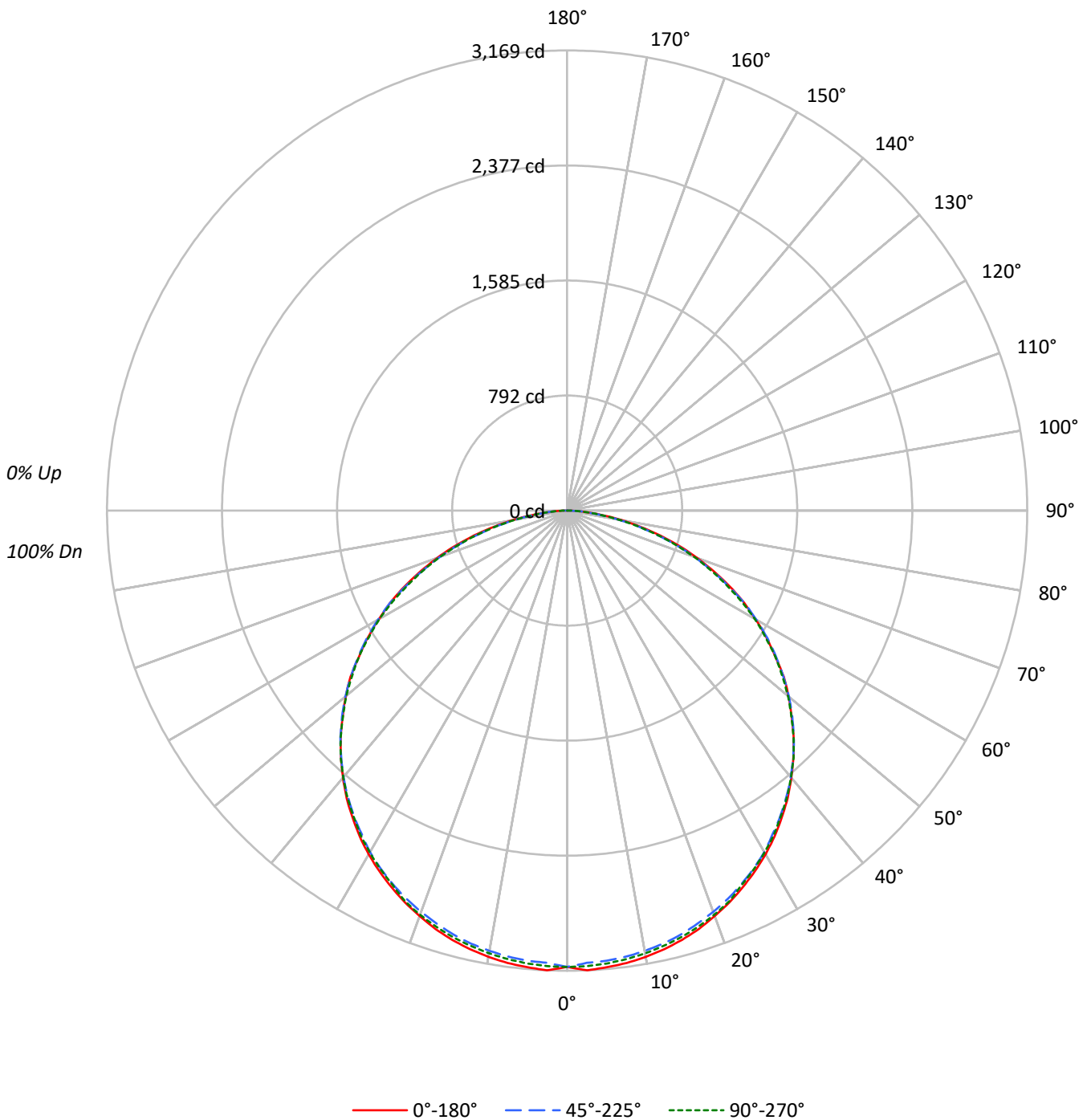
Lumens per Lamp: N/A  
Luminaire Lumens: 9407.0 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	33827	33827	33827
5°	34100	33625	33826
10°	34116	33650	33839
15°	34101	33686	33879
20°	34032	33681	33925
25°	33990	33721	33786
30°	33967	33754	33786
35°	33885	33675	33727
40°	33748	33674	33692
45°	33566	33626	33566
50°	33339	33406	33227
55°	32819	32993	32819
60°	32266	32408	32122
65°	31468	31093	30757
70°	29967	29297	29215
75°	27656	26326	26438
80°	23660	22173	22588
85°	17574	17241	16092



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.2	3.2
10°-20°	859.3	9.1
20°-30°	1315.5	14.0
30°-40°	1609.2	17.1
40°-50°	1702.1	18.1
50°-60°	1568.3	16.7
60°-70°	1207.0	12.8
70°-80°	678.1	7.2
80°-90°	169.2	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°	2473.1	26.3
0°-40°	4082.3	43.4
0°-60°	7352.6	78.2
0°-90°	9407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9407.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3143	3143	3143	3143	3143	
5°	3156	3146	3112	3140	3131	300
15°	3060	3052	3023	3050	3040	864
25°	2862	2859	2839	2859	2845	1320
35°	2579	2575	2563	2575	2567	1614
45°	2205	2212	2209	2204	2205	1700
55°	1749	1765	1758	1753	1749	1566
65°	1236	1238	1221	1204	1208	1219
75°	665	654	633	624	636	700
85°	142	140	140	136	130	176
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3142.6	3142.6	3142.6	3142.6	3142.6
2.5°	3169.2	3151.9	3117.3	3147.9	3139.9
5°	3155.9	3146.5	3112.0	3139.9	3130.6
7.5°	3142.6	3131.9	3098.7	3129.3	3116.0
10°	3121.3	3112.0	3078.7	3108.0	3096.0
12.5°	3093.4	3085.4	3054.8	3082.7	3070.7
15°	3060.1	3052.1	3022.9	3049.5	3040.2
17.5°	3020.2	3010.9	2983.0	3010.9	3004.2
20°	2971.0	2965.7	2940.4	2965.7	2961.7
22.5°	2920.5	2913.8	2893.9	2912.5	2913.8
25°	2861.9	2859.3	2839.3	2859.3	2844.7
27.5°	2800.8	2800.8	2780.8	2794.1	2784.8
30°	2732.9	2731.6	2715.7	2722.3	2718.3
32.5°	2659.8	2658.5	2637.2	2654.5	2647.8
35°	2578.7	2574.7	2562.7	2574.7	2566.7
37.5°	2494.9	2490.9	2481.6	2488.2	2486.9
40°	2401.8	2401.8	2396.5	2401.8	2397.8
42.5°	2306.0	2310.0	2303.4	2308.7	2308.7
45°	2205.0	2211.6	2209.0	2203.6	2205.0
47.5°	2097.3	2109.2	2102.6	2101.2	2094.6
50°	1990.9	2001.5	1994.9	1988.2	1984.2
52.5°	1880.5	1885.8	1877.8	1875.2	1865.9
55°	1748.8	1764.8	1758.1	1752.8	1748.8
57.5°	1627.8	1639.8	1634.4	1623.8	1617.2
60°	1498.8	1508.1	1505.4	1493.5	1492.1
62.5°	1372.5	1375.1	1372.5	1351.2	1352.5
65°	1235.5	1238.1	1220.8	1203.6	1207.6
67.5°	1091.8	1099.8	1075.9	1050.6	1067.9
70°	952.2	949.5	930.9	903.0	928.3
72.5°	808.6	805.9	784.6	764.7	782.0
75°	665.0	654.3	633.0	623.7	635.7
77.5°	516.0	504.0	494.7	488.1	493.4
80°	381.7	365.7	357.7	352.4	364.4
82.5°	254.0	242.0	238.1	242.0	239.4
85°	142.3	139.6	139.6	135.6	130.3
87.5°	58.5	61.2	62.5	61.2	58.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)