

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: P566071

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-116HL-SLW-UNV-L835-CD  
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

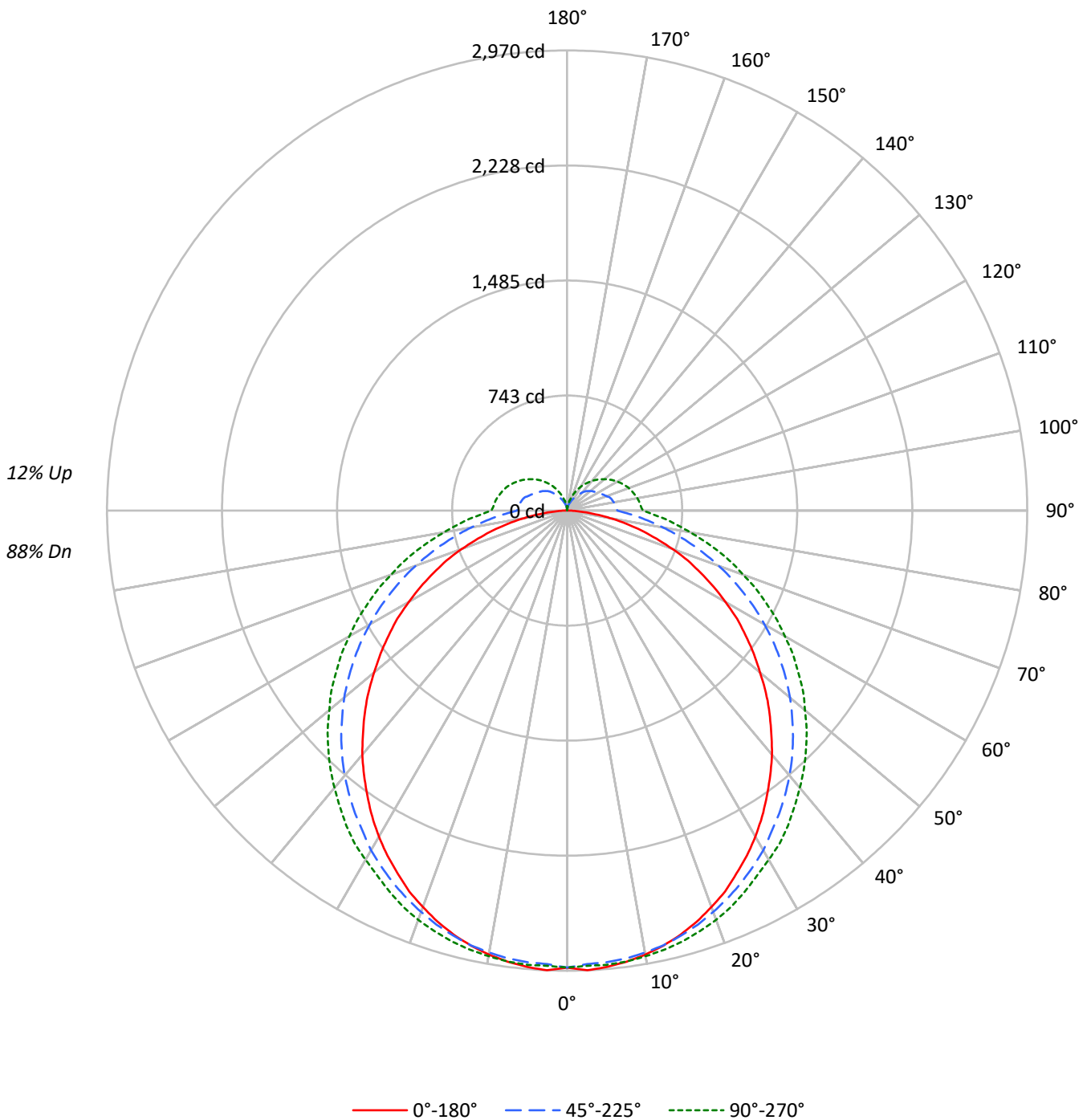
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10619.0 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88								
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71								
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58								
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48								
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41								
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35								
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31								
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27								
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24								
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21								
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19								

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

	0°	45°	90°
0°	31748	31748	31748
5°	31890	30939	30894
10°	31685	30328	30156
15°	31398	29669	29458
20°	30948	28950	28731
25°	30418	28227	27903
30°	29839	27501	27141
35°	29111	26689	26484
40°	28405	25947	25680
45°	27553	25124	24917
50°	26566	24249	24044
55°	25621	23224	23173
60°	24526	22115	22171
65°	23192	20851	21102
70°	21494	19425	19874
75°	19091	17782	18745
80°	15734	16153	17322
85°	10891	14698	16395



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.0	2.6
10°-20°	805.5	7.6
20°-30°	1225.4	11.5
30°-40°	1489.9	14.0
40°-50°	1576.3	14.8
50°-60°	1477.6	13.9
60°-70°	1215.5	11.4
70°-80°	841.1	7.9
80°-90°	467.7	4.4
90°-100°	308.1	2.9
100°-110°	276.3	2.6
110°-120°	228.7	2.2
120°-130°	176.8	1.7
130°-140°	125.1	1.2
140°-150°	75.5	0.7
150°-160°	36.3	0.3
160°-170°	11.9	0.1
170°-180°	1.4	0.0
0°-30°	2310.9	21.8
0°-40°	3800.8	35.8
0°-60°	6854.6	64.6
0°-90°	9378.9	88.3
90°-120°	813.1	7.7
90°-150°	1190.5	11.2
90°-180°	1240.0	11.7
0°-180°	10619.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2950	2950	2950	2950	2950	
5°	2957	2951	2926	2950	2942	281
15°	2833	2842	2840	2879	2879	799
25°	2586	2622	2653	2711	2713	1192
35°	2248	2308	2386	2462	2484	1407
45°	1848	1944	2062	2155	2180	1424
55°	1406	1531	1678	1784	1820	1258
65°	951	1087	1257	1380	1418	943
75°	495	638	826	956	1009	525
85°	109	271	458	586	636	126
90°	2	153	324	446	489	7
95°	2	146	315	431	473	1
105°	2	126	295	406	442	2
115°	4	109	249	360	400	3
125°	4	93	213	307	346	3
135°	4	73	178	253	284	3
145°	4	53	124	191	215	2
155°	6	36	76	122	142	2
165°	6	24	42	56	73	2
175°	6	9	13	13	7	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2949.5	2949.5	2949.5	2949.5	2949.5
2.5°	2969.6	2960.5	2929.5	2949.5	2940.5
5°	2956.8	2951.4	2925.9	2949.5	2942.3
7.5°	2936.8	2935.0	2915.0	2942.3	2935.0
10°	2909.5	2913.2	2896.8	2925.9	2920.5
12.5°	2875.0	2880.4	2873.2	2905.9	2902.3
15°	2833.2	2842.3	2840.4	2878.6	2878.6
17.5°	2782.2	2795.0	2802.3	2845.9	2845.9
20°	2722.2	2742.2	2756.8	2804.1	2811.3
22.5°	2662.2	2685.9	2707.7	2756.8	2767.7
25°	2585.9	2622.2	2653.1	2711.3	2713.1
27.5°	2511.3	2551.3	2593.1	2649.5	2655.0
30°	2429.5	2480.4	2531.3	2585.9	2602.2
32.5°	2342.2	2398.6	2454.9	2527.7	2549.5
35°	2247.6	2307.6	2385.8	2462.2	2484.0
37.5°	2153.1	2220.3	2311.3	2389.5	2409.5
40°	2056.7	2131.2	2233.1	2313.1	2336.7
42.5°	1949.4	2040.3	2149.4	2234.9	2262.2
45°	1847.6	1943.9	2062.1	2154.9	2180.3
47.5°	1740.3	1842.1	1969.4	2067.6	2096.7
50°	1625.7	1742.1	1878.5	1976.7	2003.9
52.5°	1518.4	1636.6	1780.3	1882.1	1920.3
55°	1405.7	1531.1	1678.4	1783.9	1820.3
57.5°	1300.2	1420.2	1578.4	1683.9	1729.4
60°	1180.2	1312.9	1471.1	1585.7	1622.1
62.5°	1067.4	1202.0	1365.7	1483.9	1525.7
65°	951.1	1087.4	1256.6	1380.2	1418.4
67.5°	841.9	976.5	1149.3	1271.1	1320.2
70°	721.9	863.8	1040.2	1165.6	1207.5
72.5°	603.7	751.0	931.1	1065.6	1112.9
75°	494.6	638.3	825.6	956.5	1009.2
77.5°	389.2	534.6	723.7	858.3	903.8
80°	283.7	436.4	629.2	761.9	805.6
82.5°	187.3	347.3	538.3	671.0	718.3
85°	109.1	271.0	458.3	585.5	636.5
87.5°	47.3	205.5	383.7	509.2	551.0
90°	1.8	152.8	323.7	445.5	489.2
92.5°	1.8	149.1	316.4	436.4	478.3
95°	1.8	145.5	314.6	431.0	472.8
97.5°	1.8	143.7	311.0	427.3	467.3
100°	1.8	138.2	305.5	420.1	460.1
102.5°	1.8	130.9	300.0	412.8	451.0
105°	1.8	125.5	294.6	405.5	441.9
107.5°	1.8	120.0	285.5	396.4	432.8
110°	1.8	114.6	271.0	387.3	423.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	112.7	260.0	374.6	412.8
115°	3.6	109.1	249.1	360.1	400.1
117.5°	3.6	107.3	240.0	345.5	387.3
120°	3.6	101.8	230.9	332.8	372.8
122.5°	3.6	96.4	221.9	320.0	360.1
125°	3.6	92.7	212.8	307.3	345.5
127.5°	3.6	87.3	205.5	294.6	329.1
130°	3.6	83.6	196.4	280.0	314.6
132.5°	3.6	78.2	187.3	265.5	298.2
135°	3.6	72.7	178.2	252.8	283.7
137.5°	3.6	65.5	167.3	238.2	267.3
140°	3.6	60.0	152.8	223.7	250.9
142.5°	3.6	56.4	138.2	207.3	232.8
145°	3.6	52.7	123.7	190.9	214.6
147.5°	3.6	49.1	110.9	174.6	196.4
150°	3.6	43.6	98.2	160.0	178.2
152.5°	5.5	40.0	87.3	141.8	160.0
155°	5.5	36.4	76.4	121.8	141.8
157.5°	5.5	32.7	65.5	101.8	123.7
160°	5.5	29.1	56.4	83.6	105.5
162.5°	5.5	27.3	49.1	69.1	89.1
165°	5.5	23.6	41.8	56.4	72.7
167.5°	5.5	18.2	34.6	43.6	60.0
170°	5.5	14.5	27.3	30.9	45.5
172.5°	5.5	10.9	20.0	21.8	23.6
175°	5.5	9.1	12.7	12.7	7.3
177.5°	5.5	7.3	7.3	7.3	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)