

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: P566074

Luminaire Tested: **4SNX-116HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

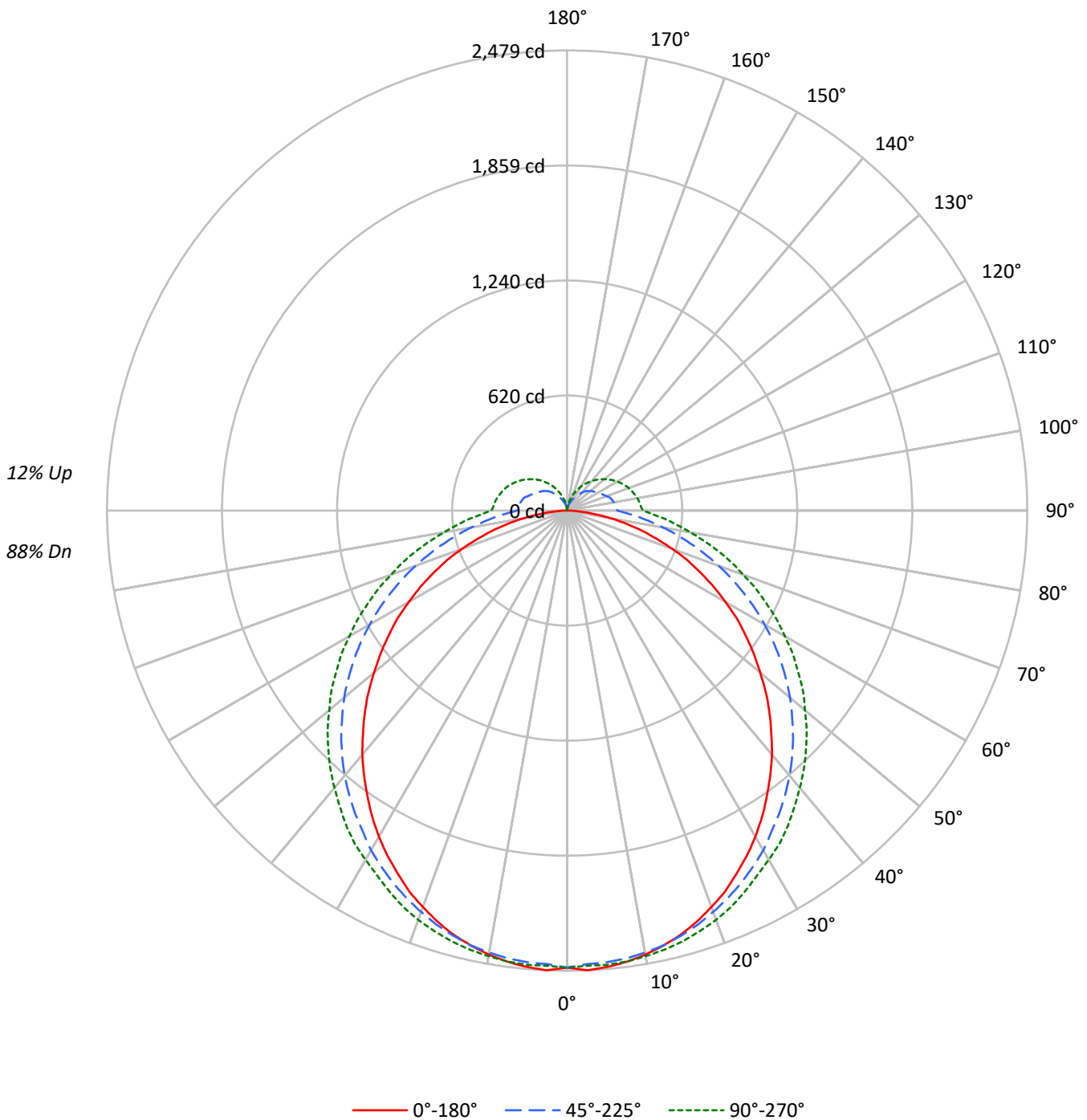
Test Method: LM-79-08  
Report Number: P566074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-116HL-SLW-UNV-L930-CD  
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8864.0 lumens  
Efficiency: N/A  
Efficacy: 103.8 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

TEST NUMBER: P566074  
CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566074

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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	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°	26502	26502	26502
5°	26620	25826	25788
10°	26449	25316	25172
15°	26208	24766	24590
20°	25833	24166	23983
25°	25390	23563	23291
30°	24907	22957	22656
35°	24301	22278	22107
40°	23710	21659	21436
45°	22999	20971	20799
50°	22176	20241	20071
55°	21387	19386	19342
60°	20471	18461	18507
65°	19359	17405	17615
70°	17942	16215	16589
75°	15938	14842	15647
80°	13133	13483	14458
85°	9094	12267	13685



TEST NUMBER: P566074

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.7	2.6
10°-20°	672.4	7.6
20°-30°	1022.8	11.5
30°-40°	1243.7	14.0
40°-50°	1315.8	14.8
50°-60°	1233.4	13.9
60°-70°	1014.6	11.4
70°-80°	702.1	7.9
80°-90°	390.4	4.4
90°-100°	257.2	2.9
100°-110°	230.6	2.6
110°-120°	190.9	2.2
120°-130°	147.6	1.7
130°-140°	104.5	1.2
140°-150°	63.0	0.7
150°-160°	30.3	0.3
160°-170°	9.9	0.1
170°-180°	1.2	0.0
0°-30°	1928.9	21.8
0°-40°	3172.6	35.8
0°-60°	5721.8	64.6
0°-90°	7828.8	88.3
90°-120°	678.7	7.7
90°-150°	993.7	11.2
90°-180°	1035.0	11.7
0°-180°	8864.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2462	2462	2462	2462	2462	
5°	2468	2464	2442	2462	2456	234
15°	2365	2372	2371	2403	2403	667
25°	2158	2189	2215	2263	2265	995
35°	1876	1926	1992	2055	2074	1174
45°	1542	1623	1721	1799	1820	1189
55°	1173	1278	1401	1489	1519	1050
65°	794	908	1049	1152	1184	787
75°	413	533	689	798	842	438
85°	91	226	382	489	531	105
90°	2	128	270	372	408	6
95°	2	121	263	360	395	1
105°	2	105	246	338	369	2
115°	3	91	208	300	334	2
125°	3	77	178	256	288	3
135°	3	61	149	211	237	2
145°	3	44	103	159	179	2
155°	5	30	64	102	118	2
165°	5	20	35	47	61	1
175°	5	8	11	11	6	0
180°	3	3	3	3	3	



TEST NUMBER: P566074

CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2462.1	2462.1	2462.1	2462.1	2462.1
2.5°	2478.8	2471.2	2445.4	2462.1	2454.5
5°	2468.1	2463.6	2442.3	2462.1	2456.0
7.5°	2451.5	2449.9	2433.2	2456.0	2449.9
10°	2428.7	2431.7	2418.1	2442.3	2437.8
12.5°	2399.8	2404.4	2398.3	2425.6	2422.6
15°	2364.9	2372.5	2371.0	2402.9	2402.9
17.5°	2322.4	2333.1	2339.1	2375.6	2375.6
20°	2272.3	2289.0	2301.2	2340.6	2346.7
22.5°	2222.2	2242.0	2260.2	2301.2	2310.3
25°	2158.5	2188.8	2214.7	2263.2	2264.7
27.5°	2096.3	2129.7	2164.6	2211.6	2216.2
30°	2027.9	2070.5	2113.0	2158.5	2172.2
32.5°	1955.1	2002.1	2049.2	2109.9	2128.1
35°	1876.2	1926.2	1991.5	2055.3	2073.5
37.5°	1797.2	1853.4	1929.3	1994.6	2011.3
40°	1716.8	1779.0	1864.0	1930.8	1950.5
42.5°	1627.2	1703.1	1794.2	1865.5	1888.3
45°	1542.2	1622.7	1721.3	1798.7	1820.0
47.5°	1452.7	1537.7	1643.9	1725.9	1750.2
50°	1357.0	1454.2	1568.0	1650.0	1672.8
52.5°	1267.5	1366.1	1486.0	1571.1	1602.9
55°	1173.4	1278.1	1401.0	1489.1	1519.4
57.5°	1085.3	1185.5	1317.6	1405.6	1443.5
60°	985.1	1095.9	1228.0	1323.6	1354.0
62.5°	891.0	1003.3	1140.0	1238.6	1273.5
65°	793.9	907.7	1048.9	1152.1	1184.0
67.5°	702.8	815.1	959.3	1061.0	1102.0
70°	602.6	721.0	868.3	973.0	1007.9
72.5°	504.0	626.9	777.2	889.5	929.0
75°	412.9	532.8	689.1	798.4	842.4
77.5°	324.8	446.3	604.1	716.5	754.4
80°	236.8	364.3	525.2	636.0	672.4
82.5°	156.3	289.9	449.3	560.1	599.6
85°	91.1	226.2	382.5	488.8	531.3
87.5°	39.5	171.5	320.3	425.0	459.9
90°	1.5	127.5	270.2	371.9	408.3
92.5°	1.5	124.5	264.1	364.3	399.2
95°	1.5	121.4	262.6	359.7	394.7
97.5°	1.5	119.9	259.6	356.7	390.1
100°	1.5	115.4	255.0	350.6	384.0
102.5°	1.5	109.3	250.5	344.6	376.4
105°	1.5	104.7	245.9	338.5	368.9
107.5°	1.5	100.2	238.3	330.9	361.3
110°	1.5	95.6	226.2	323.3	353.7



TEST NUMBER: P566074

CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	94.1	217.1	312.7	344.6
115°	3.0	91.1	208.0	300.5	333.9
117.5°	3.0	89.6	200.4	288.4	323.3
120°	3.0	85.0	192.8	277.8	311.2
122.5°	3.0	80.5	185.2	267.2	300.5
125°	3.0	77.4	177.6	256.5	288.4
127.5°	3.0	72.9	171.5	245.9	274.7
130°	3.0	69.8	163.9	233.8	262.6
132.5°	3.0	65.3	156.3	221.6	248.9
135°	3.0	60.7	148.8	211.0	236.8
137.5°	3.0	54.6	139.6	198.8	223.1
140°	3.0	50.1	127.5	186.7	209.5
142.5°	3.0	47.1	115.4	173.0	194.3
145°	3.0	44.0	103.2	159.4	179.1
147.5°	3.0	41.0	92.6	145.7	163.9
150°	3.0	36.4	82.0	133.6	148.8
152.5°	4.6	33.4	72.9	118.4	133.6
155°	4.6	30.4	63.8	101.7	118.4
157.5°	4.6	27.3	54.6	85.0	103.2
160°	4.6	24.3	47.1	69.8	88.0
162.5°	4.6	22.8	41.0	57.7	74.4
165°	4.6	19.7	34.9	47.1	60.7
167.5°	4.6	15.2	28.8	36.4	50.1
170°	4.6	12.1	22.8	25.8	37.9
172.5°	4.6	9.1	16.7	18.2	19.7
175°	4.6	7.6	10.6	10.6	6.1
177.5°	4.6	6.1	6.1	6.1	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)