

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: P566058

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-116HL-LN-UNV-L930-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

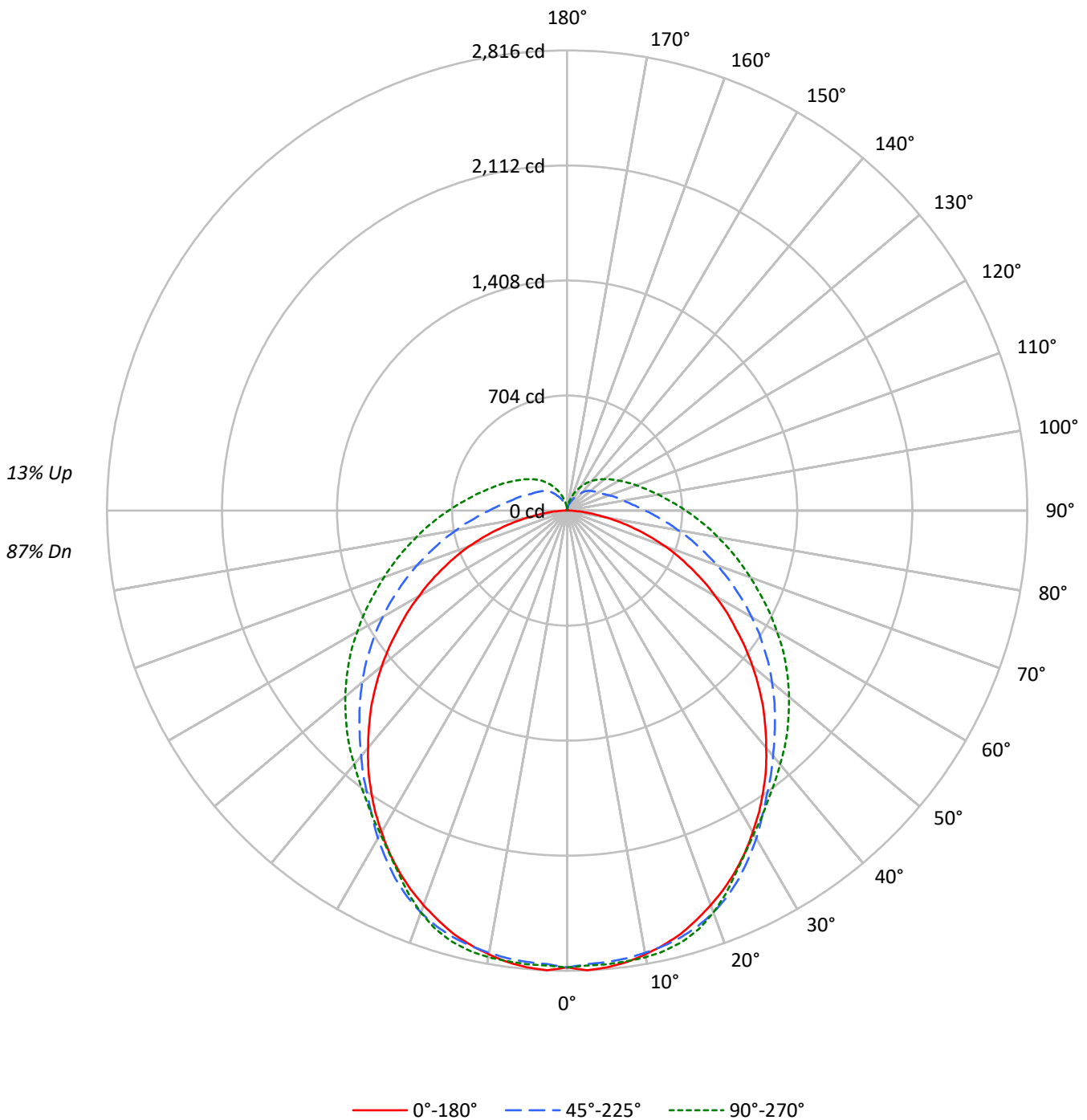
Lumens per Lamp: N/A
Luminaire Lumens: 10091.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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: P566058

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

Luminous Intensity Polar Plot





TEST NUMBER: P566058

CATALOG NUMBER: 4SNX-116HL-LN-UNV-L930-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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30089	30089	30089
5°	30206	28707	28452
10°	29923	27593	27139
15°	29563	26540	25815
20°	28994	25360	24128
25°	28381	23932	22149
30°	27574	22333	20497
35°	26714	20704	19264
40°	25734	19396	18267
45°	24776	18236	17406
50°	23635	17168	16539
55°	22302	16097	15690
60°	21022	15027	14802
65°	19600	13948	13988
70°	17971	12938	13252
75°	15455	11952	12647
80°	12179	11099	12133
85°	8157	10493	11838



TEST NUMBER: P566058

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	2.6
10°-20°	763.5	7.6
20°-30°	1136.9	11.3
30°-40°	1341.5	13.3
40°-50°	1399.1	13.9
50°-60°	1314.8	13.0
60°-70°	1110.3	11.0
70°-80°	838.9	8.3
80°-90°	578.3	5.7
90°-100°	404.7	4.0
100°-110°	302.0	3.0
110°-120°	227.7	2.3
120°-130°	169.8	1.7
130°-140°	119.2	1.2
140°-150°	72.1	0.7
150°-160°	34.5	0.3
160°-170°	11.0	0.1
170°-180°	1.3	0.0
0°-30°	2166.0	21.5
0°-40°	3507.5	34.8
0°-60°	6221.3	61.7
0°-90°	8748.8	86.7
90°-120°	934.3	9.3
90°-150°	1295.3	12.8
90°-180°	1342.0	13.3
0°-180°	10091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2795	2795	2795	2795	2795	
5°	2806	2800	2773	2794	2787	266
15°	2682	2694	2701	2736	2730	755
25°	2436	2486	2486	2464	2445	1121
35°	2092	2169	2128	2145	2150	1308
45°	1695	1779	1798	1872	1906	1306
55°	1259	1367	1471	1589	1632	1130
65°	838	972	1136	1285	1334	832
75°	429	595	825	997	1061	457
85°	98	306	571	760	826	109
90°	2	217	477	660	725	7
95°	2	169	404	578	638	1
105°	3	122	311	452	503	3
115°	3	104	241	359	406	4
125°	5	89	204	294	332	5
135°	5	68	169	240	269	4
145°	7	50	118	183	205	4
155°	7	32	72	116	135	3
165°	9	20	38	51	68	2
175°	9	9	10	10	5	1
180°	5	5	5	5	5	



TEST NUMBER: P566058

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2795.4	2795.4	2795.4	2795.4	2795.4
2.5°	2815.9	2809.1	2778.3	2795.4	2786.8
5°	2805.7	2800.5	2773.2	2793.7	2786.8
7.5°	2786.8	2785.1	2764.6	2788.6	2781.7
10°	2757.8	2762.9	2747.5	2780.0	2774.9
12.5°	2723.5	2733.8	2728.7	2764.6	2759.5
15°	2682.5	2694.5	2701.3	2735.5	2730.4
17.5°	2627.7	2650.0	2665.4	2692.7	2684.2
20°	2569.6	2600.4	2617.5	2631.2	2617.5
22.5°	2506.3	2547.3	2557.6	2550.8	2537.1
25°	2436.1	2485.7	2485.7	2463.5	2444.7
27.5°	2357.4	2419.0	2401.9	2376.3	2360.9
30°	2271.9	2345.5	2316.4	2287.3	2283.9
32.5°	2186.4	2263.3	2220.6	2213.7	2218.9
35°	2092.3	2169.3	2128.2	2145.3	2150.4
37.5°	1998.2	2075.2	2047.8	2073.5	2088.8
40°	1895.5	1977.6	1960.5	2006.7	2027.3
42.5°	1794.6	1880.1	1878.4	1938.3	1969.1
45°	1695.4	1779.2	1798.0	1871.6	1905.8
47.5°	1587.6	1673.1	1719.3	1804.9	1839.1
50°	1481.5	1573.9	1637.2	1733.0	1772.4
52.5°	1372.0	1469.5	1556.8	1662.9	1703.9
55°	1259.1	1366.9	1471.3	1589.3	1632.1
57.5°	1158.2	1267.7	1390.9	1512.3	1561.9
60°	1047.0	1168.5	1303.6	1431.9	1481.5
62.5°	946.1	1070.9	1221.5	1356.6	1409.7
65°	838.3	971.7	1135.9	1284.8	1334.4
67.5°	739.1	875.9	1055.5	1206.1	1260.8
70°	636.4	781.8	976.8	1135.9	1192.4
72.5°	530.3	684.3	898.2	1067.5	1125.7
75°	429.4	595.3	824.6	997.4	1060.7
77.5°	335.3	509.8	757.9	935.8	997.4
80°	242.9	432.8	687.7	872.5	935.8
82.5°	160.8	366.1	631.3	816.0	882.8
85°	97.5	306.2	571.4	759.6	826.3
87.5°	44.5	256.6	523.5	710.0	775.0
90°	1.7	217.3	477.3	660.4	725.4
92.5°	1.7	189.9	439.7	617.6	680.9
95°	1.7	169.4	403.7	578.2	638.1
97.5°	1.7	155.7	376.4	540.6	598.8
100°	1.7	142.0	349.0	506.4	566.3
102.5°	3.4	130.0	328.5	475.6	532.0
105°	3.4	121.5	311.4	451.6	503.0
107.5°	3.4	116.3	292.5	427.7	475.6
110°	3.4	111.2	272.0	403.7	451.6



TEST NUMBER: P566058

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	107.8	256.6	383.2	429.4
115°	3.4	104.4	241.2	359.3	405.5
117.5°	3.4	102.6	232.7	340.4	384.9
120°	5.1	97.5	222.4	323.3	366.1
122.5°	5.1	92.4	212.1	309.6	347.3
125°	5.1	89.0	203.6	294.3	331.9
127.5°	5.1	83.8	195.0	280.6	314.8
130°	5.1	78.7	188.2	266.9	299.4
132.5°	5.1	73.6	179.6	253.2	284.0
135°	5.1	68.4	169.4	239.5	268.6
137.5°	5.1	63.3	159.1	225.8	253.2
140°	5.1	58.2	145.4	212.1	237.8
142.5°	5.1	53.0	131.7	198.4	220.7
145°	6.8	49.6	118.0	183.1	205.3
147.5°	6.8	44.5	104.4	167.7	186.5
150°	6.8	41.1	94.1	152.3	169.4
152.5°	6.8	35.9	83.8	135.2	152.3
155°	6.8	32.5	71.9	116.3	135.2
157.5°	6.8	29.1	61.6	97.5	118.0
160°	6.8	27.4	53.0	80.4	100.9
162.5°	8.6	24.0	44.5	65.0	83.8
165°	8.6	20.5	37.6	51.3	68.4
167.5°	8.6	17.1	30.8	39.3	53.0
170°	8.6	13.7	24.0	27.4	41.1
172.5°	8.6	10.3	17.1	18.8	20.5
175°	8.6	8.6	10.3	10.3	5.1
177.5°	8.6	8.6	6.8	5.1	1.7
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)