

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: P566042

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566042
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-FDL-UNV-L930-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

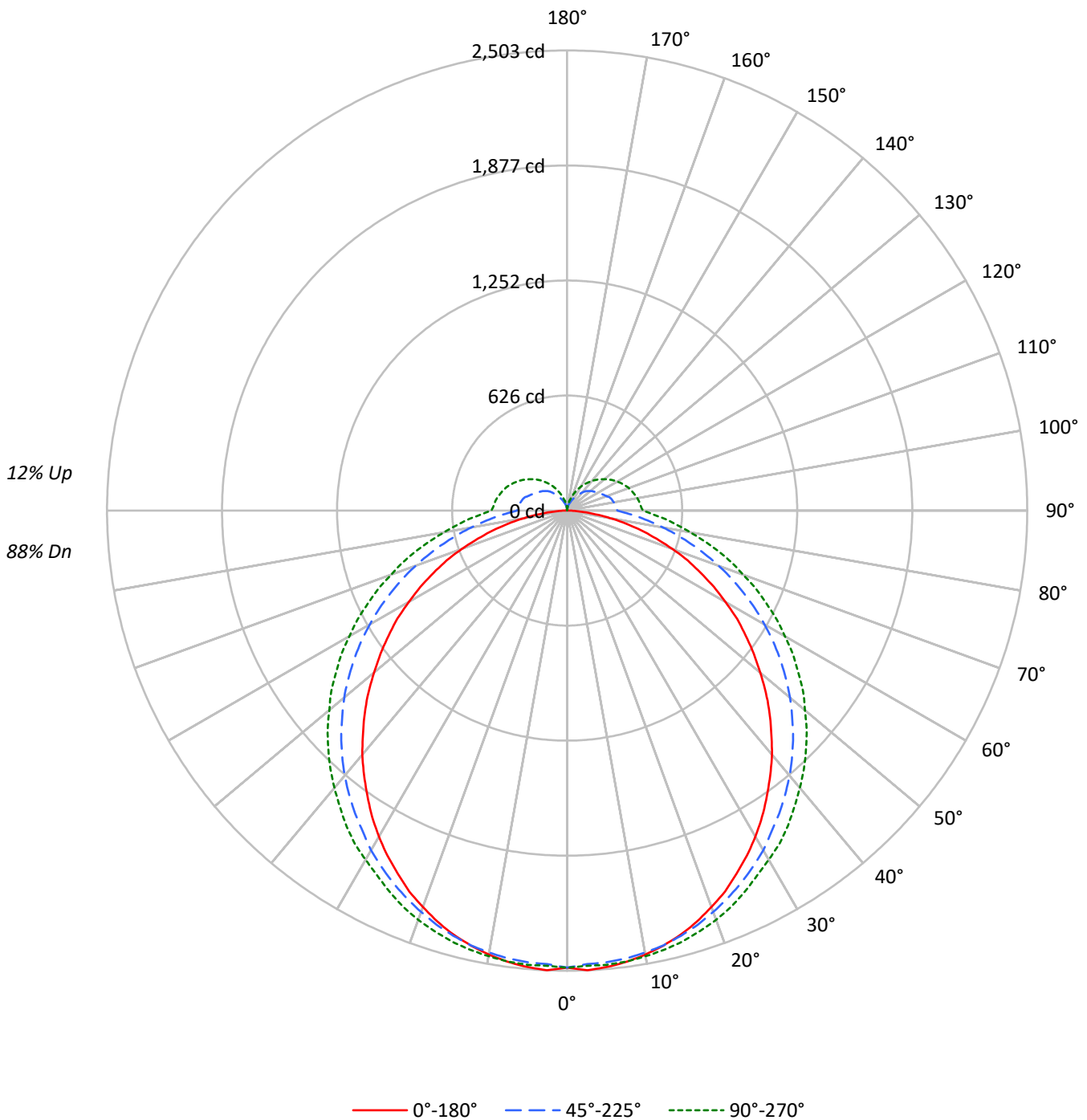
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8950.0 lumens
Efficiency: N/A
Efficacy: 104.8 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: 0.04')
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: P566042
CATALOG NUMBER: 4SNX-116HL-FDL-UNV-L930-CD

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	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°	26759	26759	26759
5°	26903	26356	26409
10°	26753	26109	26135
15°	26536	25812	25881
20°	26182	25455	25590
25°	25759	25092	25200
30°	25298	24730	24867
35°	24713	24293	24636
40°	24145	23931	24279
45°	23460	23512	23978
50°	22664	23069	23597
55°	21907	22520	23256
60°	21034	21935	22838
65°	19970	21265	22431
70°	18618	20529	21969
75°	16689	19721	21809
80°	13994	19222	21637
85°	10153	19618	22804



TEST NUMBER: P566042

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	2.6
10°-20°	678.9	7.6
20°-30°	1032.8	11.5
30°-40°	1255.7	14.0
40°-50°	1328.5	14.8
50°-60°	1245.3	13.9
60°-70°	1024.5	11.4
70°-80°	708.9	7.9
80°-90°	394.2	4.4
90°-100°	259.7	2.9
100°-110°	232.9	2.6
110°-120°	192.8	2.2
120°-130°	149.0	1.7
130°-140°	105.5	1.2
140°-150°	63.6	0.7
150°-160°	30.6	0.3
160°-170°	10.0	0.1
170°-180°	1.2	0.0
0°-30°	1947.7	21.8
0°-40°	3203.4	35.8
0°-60°	5777.3	64.6
0°-90°	7904.8	88.3
90°-120°	685.3	7.7
90°-150°	1003.4	11.2
90°-180°	1045.0	11.7
0°-180°	8950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2486	2486	2486	2486	2486	
5°	2492	2488	2466	2486	2480	237
15°	2388	2396	2394	2426	2426	673
25°	2179	2210	2236	2285	2287	1005
35°	1894	1945	2011	2075	2094	1186
45°	1557	1638	1738	1816	1838	1200
55°	1185	1290	1415	1504	1534	1061
65°	802	916	1059	1163	1196	795
75°	417	538	696	806	851	442
85°	92	228	386	494	536	106
90°	2	129	273	376	412	6
95°	2	123	265	363	398	1
105°	2	106	248	342	372	2
115°	3	92	210	304	337	2
125°	3	78	179	259	291	3
135°	3	61	150	213	239	2
145°	3	44	104	161	181	2
155°	5	31	64	103	120	2
165°	5	20	35	48	61	1
175°	5	8	11	11	6	0
180°	3	3	3	3	3	



TEST NUMBER: P566042

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2486.0	2486.0	2486.0	2486.0	2486.0
2.5°	2502.8	2495.2	2469.1	2486.0	2478.3
5°	2492.1	2487.5	2466.0	2486.0	2479.8
7.5°	2475.2	2473.7	2456.8	2479.8	2473.7
10°	2452.2	2455.3	2441.5	2466.0	2461.4
12.5°	2423.1	2427.7	2421.6	2449.2	2446.1
15°	2387.9	2395.5	2394.0	2426.2	2426.2
17.5°	2345.0	2355.7	2361.8	2398.6	2398.6
20°	2294.4	2311.2	2323.5	2363.4	2369.5
22.5°	2243.8	2263.7	2282.1	2323.5	2332.7
25°	2179.4	2210.1	2236.1	2285.2	2286.7
27.5°	2116.6	2150.3	2185.6	2233.1	2237.7
30°	2047.6	2090.5	2133.5	2179.4	2193.2
32.5°	1974.1	2021.6	2069.1	2130.4	2148.8
35°	1894.4	1944.9	2010.8	2075.2	2093.6
37.5°	1814.7	1871.4	1948.0	2013.9	2030.8
40°	1733.4	1796.3	1882.1	1949.5	1969.5
42.5°	1643.0	1719.6	1811.6	1883.6	1906.6
45°	1557.2	1638.4	1738.0	1816.2	1837.7
47.5°	1466.7	1552.6	1659.9	1742.6	1767.1
50°	1370.2	1468.3	1583.2	1666.0	1689.0
52.5°	1279.8	1379.4	1500.5	1586.3	1618.5
55°	1184.7	1290.5	1414.6	1503.5	1534.2
57.5°	1095.8	1197.0	1330.3	1419.2	1457.6
60°	994.7	1106.6	1239.9	1336.5	1367.1
62.5°	899.7	1013.1	1151.0	1250.6	1285.9
65°	801.6	916.5	1059.1	1163.3	1195.5
67.5°	709.6	823.0	968.6	1071.3	1112.7
70°	608.5	728.0	876.7	982.4	1017.7
72.5°	508.8	633.0	784.7	898.1	938.0
75°	416.9	538.0	695.8	806.2	850.6
77.5°	328.0	450.6	610.0	723.4	761.7
80°	239.1	367.8	530.3	642.2	679.0
82.5°	157.9	292.7	453.7	565.5	605.4
85°	92.0	228.4	386.2	493.5	536.4
87.5°	39.8	173.2	323.4	429.1	464.4
90°	1.5	128.7	272.8	375.5	412.3
92.5°	1.5	125.7	266.7	367.8	403.1
95°	1.5	122.6	265.1	363.2	398.5
97.5°	1.5	121.1	262.1	360.2	393.9
100°	1.5	116.5	257.5	354.0	387.8
102.5°	1.5	110.4	252.9	347.9	380.1
105°	1.5	105.8	248.3	341.8	372.4
107.5°	1.5	101.2	240.6	334.1	364.8
110°	1.5	96.6	228.4	326.5	357.1



TEST NUMBER: P566042

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	95.0	219.2	315.7	347.9
115°	3.1	92.0	210.0	303.5	337.2
117.5°	3.1	90.4	202.3	291.2	326.5
120°	3.1	85.8	194.6	280.5	314.2
122.5°	3.1	81.2	187.0	269.7	303.5
125°	3.1	78.2	179.3	259.0	291.2
127.5°	3.1	73.6	173.2	248.3	277.4
130°	3.1	70.5	165.5	236.0	265.1
132.5°	3.1	65.9	157.9	223.8	251.4
135°	3.1	61.3	150.2	213.0	239.1
137.5°	3.1	55.2	141.0	200.8	225.3
140°	3.1	50.6	128.7	188.5	211.5
142.5°	3.1	47.5	116.5	174.7	196.2
145°	3.1	44.4	104.2	160.9	180.9
147.5°	3.1	41.4	93.5	147.1	165.5
150°	3.1	36.8	82.8	134.9	150.2
152.5°	4.6	33.7	73.6	119.5	134.9
155°	4.6	30.7	64.4	102.7	119.5
157.5°	4.6	27.6	55.2	85.8	104.2
160°	4.6	24.5	47.5	70.5	88.9
162.5°	4.6	23.0	41.4	58.2	75.1
165°	4.6	19.9	35.3	47.5	61.3
167.5°	4.6	15.3	29.1	36.8	50.6
170°	4.6	12.3	23.0	26.1	38.3
172.5°	4.6	9.2	16.9	18.4	19.9
175°	4.6	7.7	10.7	10.7	6.1
177.5°	4.6	6.1	6.1	6.1	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)