

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: P565970

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565970
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-100HL-LW-UNV-L930-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

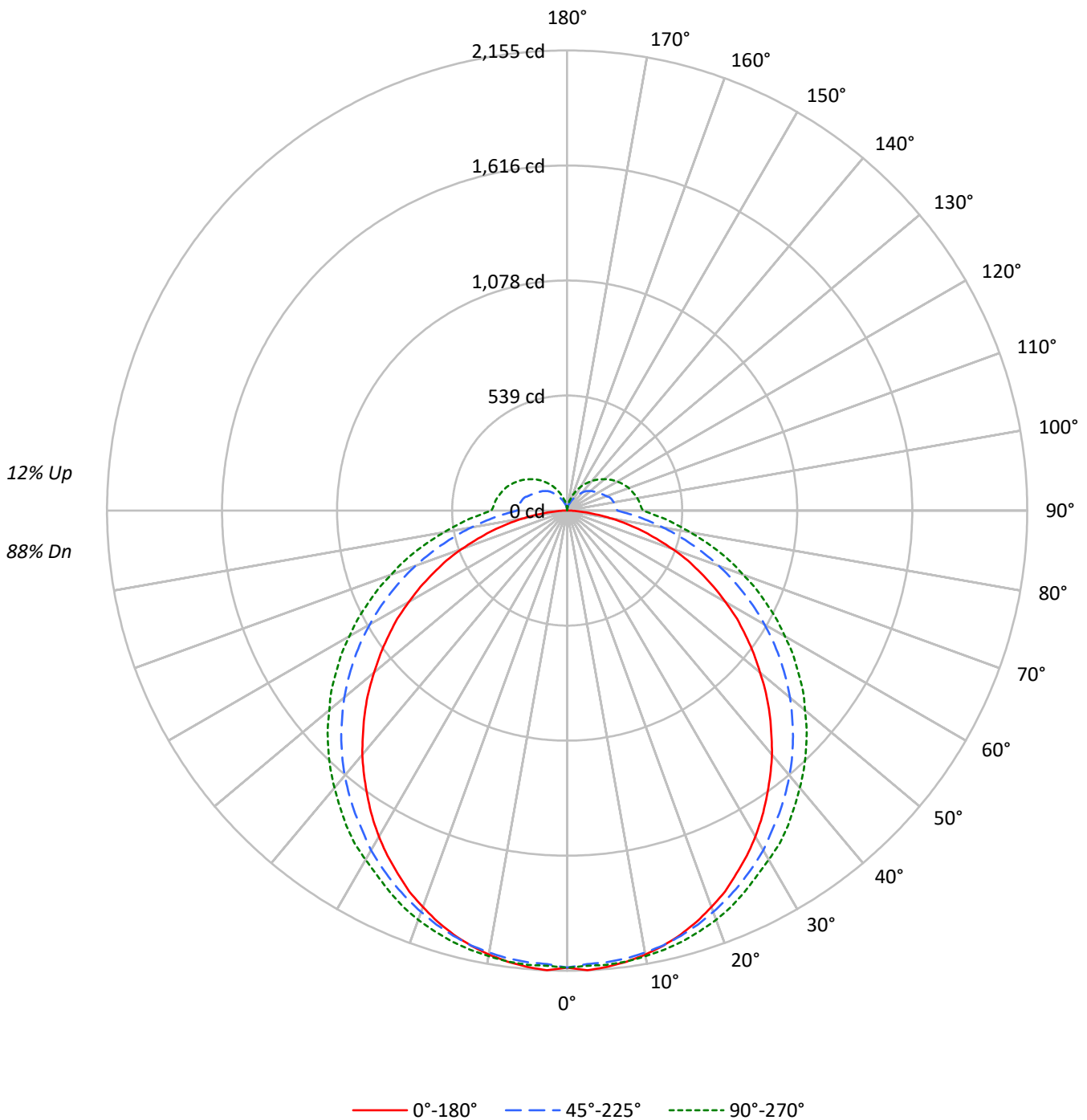
Lumens per Lamp: N/A
Luminaire Lumens: 7705.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 72.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P565970

CATALOG NUMBER: 4SNX-100HL-LW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565970

CATALOG NUMBER: 4SNX-100HL-LW-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	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°	23037	23037	23037
5°	23097	21976	21796
10°	22906	21109	20724
15°	22655	20249	19748
20°	22287	19380	18804
25°	21859	18535	17836
30°	21395	17708	16945
35°	20822	16841	16147
40°	20260	16030	15278
45°	19591	15176	14449
50°	18819	14293	13568
55°	18065	13324	12697
60°	17193	12304	11759
65°	16135	11195	10789
70°	14791	9996	9737
75°	12917	8682	8731
80°	10319	7368	7578
85°	6626	6106	6616



TEST NUMBER: P565970

CATALOG NUMBER: 4SNX-100HL-LW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.2	2.6
10°-20°	584.4	7.6
20°-30°	889.1	11.5
30°-40°	1081.1	14.0
40°-50°	1143.7	14.8
50°-60°	1072.1	13.9
60°-70°	882.0	11.4
70°-80°	610.3	7.9
80°-90°	339.3	4.4
90°-100°	223.6	2.9
100°-110°	200.5	2.6
110°-120°	165.9	2.2
120°-130°	128.3	1.7
130°-140°	90.8	1.2
140°-150°	54.8	0.7
150°-160°	26.3	0.3
160°-170°	8.6	0.1
170°-180°	1.1	0.0
0°-30°	1676.7	21.8
0°-40°	2757.8	35.8
0°-60°	4973.6	64.6
0°-90°	6805.2	88.3
90°-120°	590.0	7.7
90°-150°	863.8	11.2
90°-180°	900.0	11.7
0°-180°	7705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2145	2142	2123	2140	2135	204
15°	2056	2062	2061	2089	2089	579
25°	1876	1903	1925	1967	1969	865
35°	1631	1674	1731	1786	1802	1021
45°	1341	1410	1496	1564	1582	1033
55°	1020	1111	1218	1294	1321	913
65°	690	789	912	1002	1029	684
75°	359	463	599	694	732	381
85°	79	197	332	425	462	91
90°	1	111	235	323	355	5
95°	1	106	228	313	343	1
105°	1	91	214	294	321	1
115°	3	79	181	261	290	2
125°	3	67	154	223	251	2
135°	3	53	129	183	206	2
145°	3	38	90	138	156	2
155°	4	26	55	88	103	2
165°	4	17	30	41	53	1
175°	4	7	9	9	5	0
180°	3	3	3	3	3	



TEST NUMBER: P565970

CATALOG NUMBER: 4SNX-100HL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2140.2	2140.2	2140.2	2140.2	2140.2
2.5°	2154.7	2148.1	2125.6	2140.2	2133.6
5°	2145.4	2141.5	2123.0	2140.2	2134.9
7.5°	2130.9	2129.6	2115.1	2134.9	2129.6
10°	2111.1	2113.8	2101.9	2123.0	2119.0
12.5°	2086.1	2090.0	2084.7	2108.5	2105.8
15°	2055.7	2062.3	2061.0	2088.7	2088.7
17.5°	2018.8	2028.0	2033.3	2064.9	2064.9
20°	1975.2	1989.7	2000.3	2034.6	2039.9
22.5°	1931.7	1948.8	1964.7	2000.3	2008.2
25°	1876.3	1902.6	1925.1	1967.3	1968.6
27.5°	1822.2	1851.2	1881.5	1922.4	1926.4
30°	1762.8	1799.7	1836.7	1876.3	1888.1
32.5°	1699.5	1740.4	1781.3	1834.0	1849.9
35°	1630.8	1674.4	1731.1	1786.5	1802.4
37.5°	1562.2	1611.1	1677.0	1733.8	1748.3
40°	1492.3	1546.4	1620.3	1678.3	1695.5
42.5°	1414.5	1480.4	1559.6	1621.6	1641.4
45°	1340.6	1410.5	1496.3	1563.6	1582.0
47.5°	1262.7	1336.6	1429.0	1500.2	1521.3
50°	1179.6	1264.0	1363.0	1434.2	1454.0
52.5°	1101.7	1187.5	1291.7	1365.6	1393.3
55°	1019.9	1111.0	1217.9	1294.4	1320.8
57.5°	943.4	1030.5	1145.3	1221.8	1254.8
60°	856.3	952.6	1067.4	1150.6	1177.0
62.5°	774.5	872.2	990.9	1076.7	1107.0
65°	690.1	789.0	911.7	1001.5	1029.2
67.5°	610.9	708.5	833.9	922.3	957.9
70°	523.8	626.7	754.7	845.8	876.1
72.5°	438.1	544.9	675.6	773.2	807.5
75°	358.9	463.1	599.0	694.0	732.3
77.5°	282.4	387.9	525.1	622.8	655.8
80°	205.8	316.7	456.5	552.9	584.5
82.5°	135.9	252.0	390.6	486.9	521.2
85°	79.2	196.6	332.5	424.9	461.8
87.5°	34.3	149.1	278.4	369.4	399.8
90°	1.3	110.8	234.9	323.3	354.9
92.5°	1.3	108.2	229.6	316.7	347.0
95°	1.3	105.6	228.3	312.7	343.1
97.5°	1.3	104.2	225.6	310.1	339.1
100°	1.3	100.3	221.7	304.8	333.8
102.5°	1.3	95.0	217.7	299.5	327.2
105°	1.3	91.0	213.8	294.2	320.6
107.5°	1.3	87.1	207.2	287.6	314.0
110°	1.3	83.1	196.6	281.0	307.4



TEST NUMBER: P565970

CATALOG NUMBER: 4SNX-100HL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	81.8	188.7	271.8	299.5
115°	2.6	79.2	180.8	261.3	290.3
117.5°	2.6	77.8	174.2	250.7	281.0
120°	2.6	73.9	167.6	241.5	270.5
122.5°	2.6	69.9	161.0	232.2	261.3
125°	2.6	67.3	154.4	223.0	250.7
127.5°	2.6	63.3	149.1	213.8	238.8
130°	2.6	60.7	142.5	203.2	228.3
132.5°	2.6	56.7	135.9	192.6	216.4
135°	2.6	52.8	129.3	183.4	205.8
137.5°	2.6	47.5	121.4	172.8	194.0
140°	2.6	43.5	110.8	162.3	182.1
142.5°	2.6	40.9	100.3	150.4	168.9
145°	2.6	38.3	89.7	138.5	155.7
147.5°	2.6	35.6	80.5	126.7	142.5
150°	2.6	31.7	71.3	116.1	129.3
152.5°	4.0	29.0	63.3	102.9	116.1
155°	4.0	26.4	55.4	88.4	102.9
157.5°	4.0	23.8	47.5	73.9	89.7
160°	4.0	21.1	40.9	60.7	76.5
162.5°	4.0	19.8	35.6	50.1	64.7
165°	4.0	17.2	30.3	40.9	52.8
167.5°	4.0	13.2	25.1	31.7	43.5
170°	4.0	10.6	19.8	22.4	33.0
172.5°	4.0	7.9	14.5	15.8	17.2
175°	4.0	6.6	9.2	9.2	5.3
177.5°	4.0	5.3	5.3	5.3	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)