

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: P565978

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565978
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-SLW-UNV-L930-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

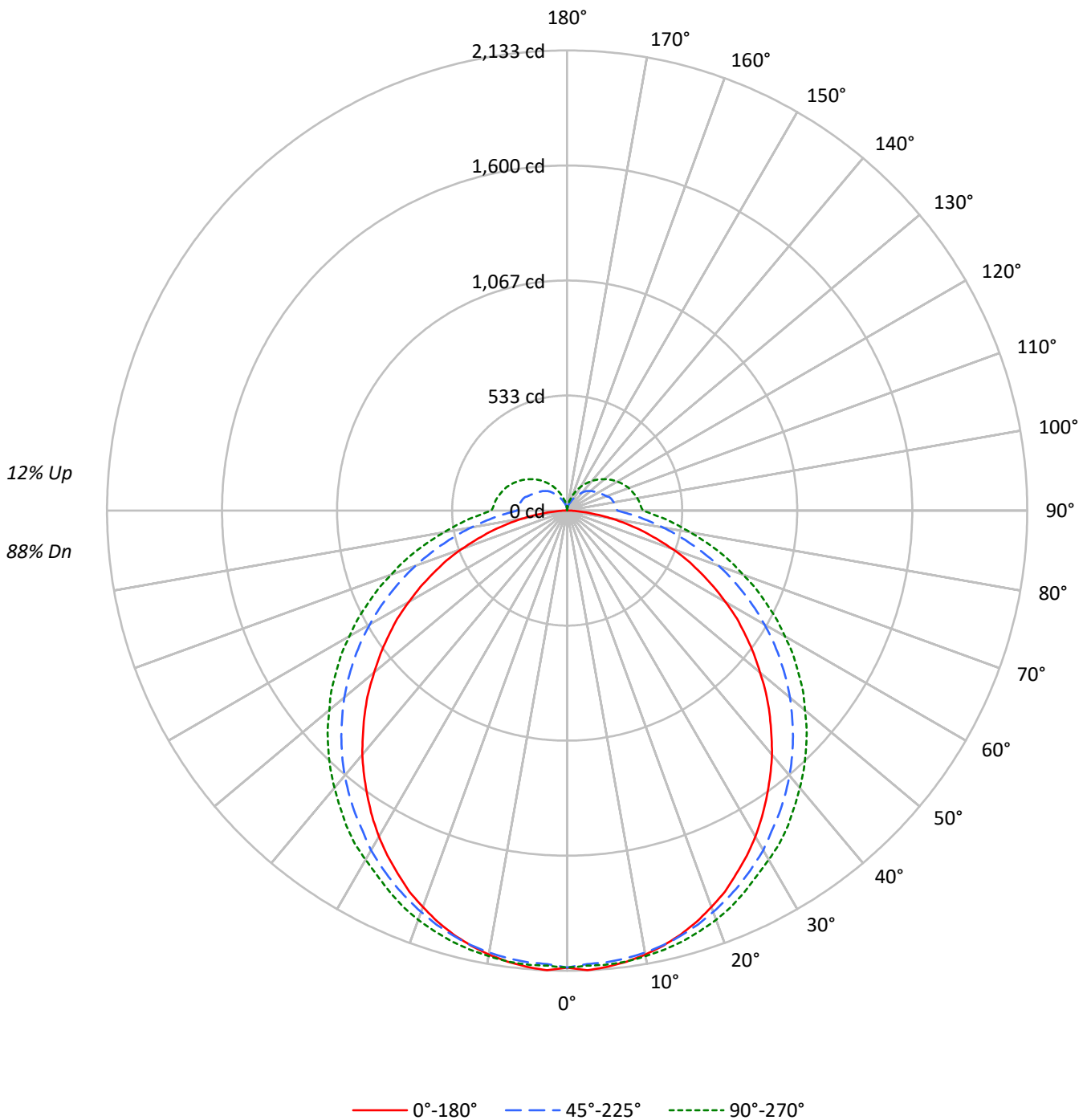
Lumens per Lamp: N/A
Luminaire Lumens: 7626.0 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 72.5
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	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°	22800	22800	22800
5°	22902	22219	22187
10°	22755	21780	21656
15°	22547	21308	21155
20°	22226	20791	20634
25°	21844	20271	20038
30°	21428	19749	19491
35°	20906	19167	19020
40°	20399	18634	18442
45°	19787	18043	17894
50°	19079	17414	17267
55°	18399	16679	16641
60°	17612	15882	15922
65°	16655	14974	15154
70°	15438	13950	14271
75°	13711	12770	13463
80°	11297	11598	12439
85°	7826	10554	11774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.1	2.6
10°-20°	578.5	7.6
20°-30°	880.0	11.5
30°-40°	1070.0	14.0
40°-50°	1132.0	14.8
50°-60°	1061.1	13.9
60°-70°	872.9	11.4
70°-80°	604.0	7.9
80°-90°	335.9	4.4
90°-100°	221.3	2.9
100°-110°	198.4	2.6
110°-120°	164.2	2.2
120°-130°	127.0	1.7
130°-140°	89.9	1.2
140°-150°	54.2	0.7
150°-160°	26.0	0.3
160°-170°	8.5	0.1
170°-180°	1.0	0.0
0°-30°	1659.5	21.8
0°-40°	2729.5	35.8
0°-60°	4922.6	64.6
0°-90°	6735.4	88.3
90°-120°	583.9	7.7
90°-150°	855.0	11.2
90°-180°	891.0	11.7
0°-180°	7626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2123	2120	2101	2118	2113	202
15°	2035	2041	2040	2067	2067	573
25°	1857	1883	1905	1947	1948	856
35°	1614	1657	1713	1768	1784	1010
45°	1327	1396	1481	1548	1566	1023
55°	1010	1100	1205	1281	1307	904
65°	683	781	902	991	1019	677
75°	355	458	593	687	725	377
85°	78	195	329	420	457	90
90°	1	110	232	320	351	5
95°	1	104	226	310	340	1
105°	1	90	212	291	317	1
115°	3	78	179	259	287	2
125°	3	67	153	221	248	2
135°	3	52	128	182	204	2
145°	3	38	89	137	154	2
155°	4	26	55	88	102	2
165°	4	17	30	40	52	1
175°	4	6	9	9	5	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2118.2	2118.2	2118.2	2118.2	2118.2
2.5°	2132.6	2126.0	2103.8	2118.2	2111.7
5°	2123.4	2119.5	2101.2	2118.2	2113.0
7.5°	2109.1	2107.8	2093.4	2113.0	2107.8
10°	2089.5	2092.1	2080.3	2101.2	2097.3
12.5°	2064.7	2068.6	2063.4	2086.9	2084.3
15°	2034.6	2041.2	2039.9	2067.3	2067.3
17.5°	1998.1	2007.2	2012.4	2043.8	2043.8
20°	1955.0	1969.3	1979.8	2013.7	2019.0
22.5°	1911.9	1928.8	1944.5	1979.8	1987.6
25°	1857.0	1883.1	1905.3	1947.1	1948.4
27.5°	1803.5	1832.2	1862.2	1902.7	1906.6
30°	1744.7	1781.3	1817.8	1857.0	1868.8
32.5°	1682.0	1722.5	1763.0	1815.2	1830.9
35°	1614.1	1657.2	1713.4	1768.2	1783.9
37.5°	1546.2	1594.5	1659.8	1716.0	1730.3
40°	1477.0	1530.5	1603.7	1661.1	1678.1
42.5°	1400.0	1465.2	1543.6	1605.0	1624.6
45°	1326.8	1396.0	1480.9	1547.5	1565.8
47.5°	1249.8	1322.9	1414.3	1484.8	1505.7
50°	1167.5	1251.1	1349.0	1419.5	1439.1
52.5°	1090.4	1175.3	1278.5	1351.6	1379.1
55°	1009.5	1099.6	1205.4	1281.1	1307.2
57.5°	933.7	1019.9	1133.5	1209.3	1241.9
60°	847.5	942.9	1056.5	1138.8	1164.9
62.5°	766.6	863.2	980.7	1065.6	1095.7
65°	683.0	780.9	902.4	991.2	1018.6
67.5°	604.6	701.3	825.3	912.8	948.1
70°	518.5	620.3	747.0	837.1	867.1
72.5°	433.6	539.3	668.6	765.3	799.2
75°	355.2	458.4	592.9	686.9	724.8
77.5°	279.5	383.9	519.8	616.4	649.0
80°	203.7	313.4	451.8	547.2	578.5
82.5°	134.5	249.4	386.6	481.9	515.8
85°	78.4	194.6	329.1	420.5	457.1
87.5°	34.0	147.6	275.5	365.7	395.7
90°	1.3	109.7	232.5	320.0	351.3
92.5°	1.3	107.1	227.2	313.4	343.5
95°	1.3	104.5	225.9	309.5	339.5
97.5°	1.3	103.2	223.3	306.9	335.6
100°	1.3	99.3	219.4	301.7	330.4
102.5°	1.3	94.0	215.5	296.4	323.9
105°	1.3	90.1	211.6	291.2	317.3
107.5°	1.3	86.2	205.0	284.7	310.8
110°	1.3	82.3	194.6	278.2	304.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	81.0	186.7	269.0	296.4
115°	2.6	78.4	178.9	258.6	287.3
117.5°	2.6	77.0	172.4	248.1	278.2
120°	2.6	73.1	165.9	239.0	267.7
122.5°	2.6	69.2	159.3	229.8	258.6
125°	2.6	66.6	152.8	220.7	248.1
127.5°	2.6	62.7	147.6	211.6	236.4
130°	2.6	60.1	141.0	201.1	225.9
132.5°	2.6	56.2	134.5	190.7	214.2
135°	2.6	52.2	128.0	181.5	203.7
137.5°	2.6	47.0	120.1	171.1	192.0
140°	2.6	43.1	109.7	160.6	180.2
142.5°	2.6	40.5	99.3	148.9	167.2
145°	2.6	37.9	88.8	137.1	154.1
147.5°	2.6	35.3	79.7	125.4	141.0
150°	2.6	31.3	70.5	114.9	128.0
152.5°	3.9	28.7	62.7	101.9	114.9
155°	3.9	26.1	54.8	87.5	101.9
157.5°	3.9	23.5	47.0	73.1	88.8
160°	3.9	20.9	40.5	60.1	75.7
162.5°	3.9	19.6	35.3	49.6	64.0
165°	3.9	17.0	30.0	40.5	52.2
167.5°	3.9	13.1	24.8	31.3	43.1
170°	3.9	10.4	19.6	22.2	32.6
172.5°	3.9	7.8	14.4	15.7	17.0
175°	3.9	6.5	9.1	9.1	5.2
177.5°	3.9	5.2	5.2	5.2	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)