

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: P565962

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565962
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-100HL-LN-UNV-L930-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

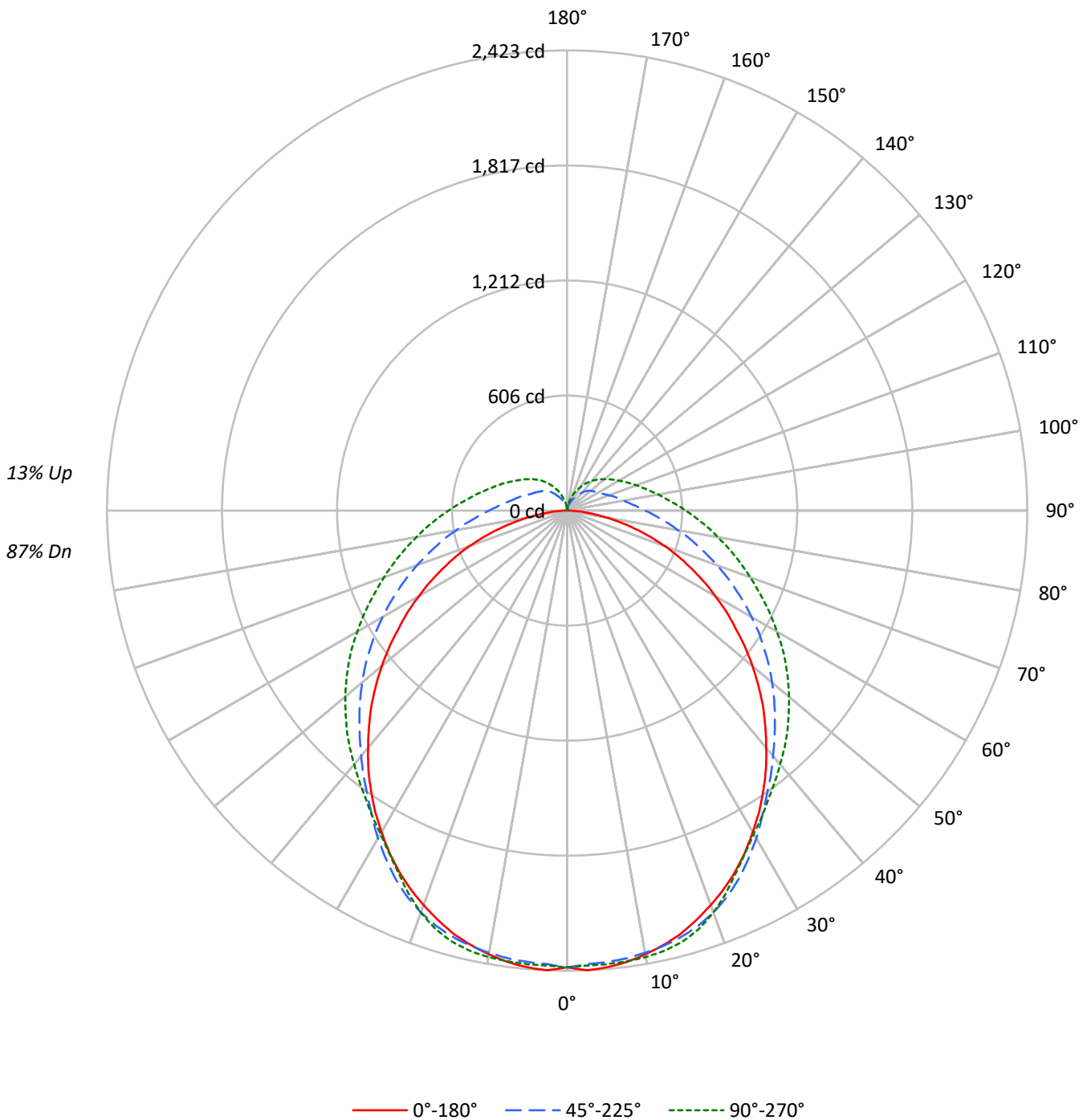
Lumens per Lamp: N/A
Luminaire Lumens: 8682.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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

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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	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°	25888	25888	25888
5°	25988	24697	24479
10°	25744	23741	23349
15°	25434	22834	22210
20°	24946	21818	20759
25°	24419	20591	19056
30°	23724	19214	17635
35°	22983	17813	16575
40°	22142	16688	15716
45°	21315	15690	14976
50°	20336	14771	14230
55°	19188	13848	13499
60°	18087	12929	12736
65°	16862	12001	12035
70°	15461	11132	11402
75°	13295	10284	10881
80°	10479	9550	10438
85°	7019	9028	10185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.5	2.6
10°-20°	656.9	7.6
20°-30°	978.2	11.3
30°-40°	1154.2	13.3
40°-50°	1203.7	13.9
50°-60°	1131.2	13.0
60°-70°	955.3	11.0
70°-80°	721.8	8.3
80°-90°	497.5	5.7
90°-100°	348.2	4.0
100°-110°	259.8	3.0
110°-120°	195.9	2.3
120°-130°	146.1	1.7
130°-140°	102.5	1.2
140°-150°	62.0	0.7
150°-160°	29.6	0.3
160°-170°	9.5	0.1
170°-180°	1.1	0.0
0°-30°	1863.6	21.5
0°-40°	3017.8	34.8
0°-60°	5352.7	61.7
0°-90°	7527.3	86.7
90°-120°	803.9	9.3
90°-150°	1114.5	12.8
90°-180°	1155.0	13.3
0°-180°	8682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2414	2410	2386	2404	2398	229
15°	2308	2318	2324	2354	2349	650
25°	2096	2139	2139	2120	2103	964
35°	1800	1866	1831	1846	1850	1126
45°	1459	1531	1547	1610	1640	1123
55°	1083	1176	1266	1367	1404	972
65°	721	836	977	1105	1148	716
75°	369	512	710	858	913	393
85°	84	264	492	654	711	94
90°	2	187	411	568	624	6
95°	2	146	347	498	549	1
105°	3	104	268	389	433	3
115°	3	90	208	309	349	3
125°	4	76	175	253	286	4
135°	4	59	146	206	231	3
145°	6	43	102	158	177	3
155°	6	28	62	100	116	3
165°	7	18	32	44	59	2
175°	7	7	9	9	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2405.1	2405.1	2405.1	2405.1	2405.1
2.5°	2422.7	2416.9	2390.4	2405.1	2397.7
5°	2413.9	2409.5	2385.9	2403.6	2397.7
7.5°	2397.7	2396.2	2378.6	2399.2	2393.3
10°	2372.7	2377.1	2363.9	2391.8	2387.4
12.5°	2343.3	2352.1	2347.7	2378.6	2374.2
15°	2307.9	2318.2	2324.1	2353.6	2349.1
17.5°	2260.8	2280.0	2293.2	2316.8	2309.4
20°	2210.8	2237.3	2252.0	2263.8	2252.0
22.5°	2156.3	2191.7	2200.5	2194.6	2182.8
25°	2096.0	2138.7	2138.7	2119.5	2103.3
27.5°	2028.3	2081.3	2066.5	2044.5	2031.2
30°	1954.7	2018.0	1992.9	1967.9	1965.0
32.5°	1881.1	1947.3	1910.5	1904.6	1909.0
35°	1800.1	1866.4	1831.0	1845.8	1850.2
37.5°	1719.2	1785.4	1761.9	1783.9	1797.2
40°	1630.9	1701.5	1686.8	1726.5	1744.2
42.5°	1544.0	1617.6	1616.1	1667.7	1694.2
45°	1458.6	1530.8	1547.0	1610.3	1639.7
47.5°	1365.9	1439.5	1479.3	1552.8	1582.3
50°	1274.7	1354.1	1408.6	1491.0	1524.9
52.5°	1180.5	1264.4	1339.4	1430.7	1466.0
55°	1083.3	1176.0	1265.8	1367.4	1404.2
57.5°	996.5	1090.7	1196.7	1301.2	1343.8
60°	900.8	1005.3	1121.6	1232.0	1274.7
62.5°	814.0	921.4	1050.9	1167.2	1212.8
65°	721.2	836.0	977.3	1105.4	1148.1
67.5°	635.9	753.6	908.2	1037.7	1084.8
70°	547.5	672.7	840.5	977.3	1025.9
72.5°	456.3	588.8	772.7	918.5	968.5
75°	369.4	512.2	709.5	858.1	912.6
77.5°	288.5	438.6	652.0	805.1	858.1
80°	209.0	372.4	591.7	750.7	805.1
82.5°	138.4	315.0	543.1	702.1	759.5
85°	83.9	263.5	491.6	653.5	710.9
87.5°	38.3	220.8	450.4	610.8	666.8
90°	1.5	186.9	410.7	568.2	624.1
92.5°	1.5	163.4	378.3	531.4	585.8
95°	1.5	145.7	347.4	497.5	549.0
97.5°	1.5	133.9	323.8	465.1	515.2
100°	1.5	122.2	300.3	435.7	487.2
102.5°	2.9	111.9	282.6	409.2	457.8
105°	2.9	104.5	267.9	388.6	432.7
107.5°	2.9	100.1	251.7	368.0	409.2
110°	2.9	95.7	234.0	347.4	388.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	92.7	220.8	329.7	369.4
115°	2.9	89.8	207.5	309.1	348.8
117.5°	2.9	88.3	200.2	292.9	331.2
120°	4.4	83.9	191.3	278.2	315.0
122.5°	4.4	79.5	182.5	266.4	298.8
125°	4.4	76.5	175.2	253.2	285.5
127.5°	4.4	72.1	167.8	241.4	270.8
130°	4.4	67.7	161.9	229.6	257.6
132.5°	4.4	63.3	154.5	217.8	244.3
135°	4.4	58.9	145.7	206.1	231.1
137.5°	4.4	54.5	136.9	194.3	217.8
140°	4.4	50.0	125.1	182.5	204.6
142.5°	4.4	45.6	113.3	170.7	189.9
145°	5.9	42.7	101.6	157.5	176.6
147.5°	5.9	38.3	89.8	144.2	160.4
150°	5.9	35.3	81.0	131.0	145.7
152.5°	5.9	30.9	72.1	116.3	131.0
155°	5.9	28.0	61.8	100.1	116.3
157.5°	5.9	25.0	53.0	83.9	101.6
160°	5.9	23.6	45.6	69.2	86.8
162.5°	7.4	20.6	38.3	55.9	72.1
165°	7.4	17.7	32.4	44.2	58.9
167.5°	7.4	14.7	26.5	33.9	45.6
170°	7.4	11.8	20.6	23.6	35.3
172.5°	7.4	8.8	14.7	16.2	17.7
175°	7.4	7.4	8.8	8.8	4.4
177.5°	7.4	7.4	5.9	4.4	1.5
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)