

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: P565955

Luminaire Tested: **4SNX-100HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-100HL-LC-UNV-L935-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

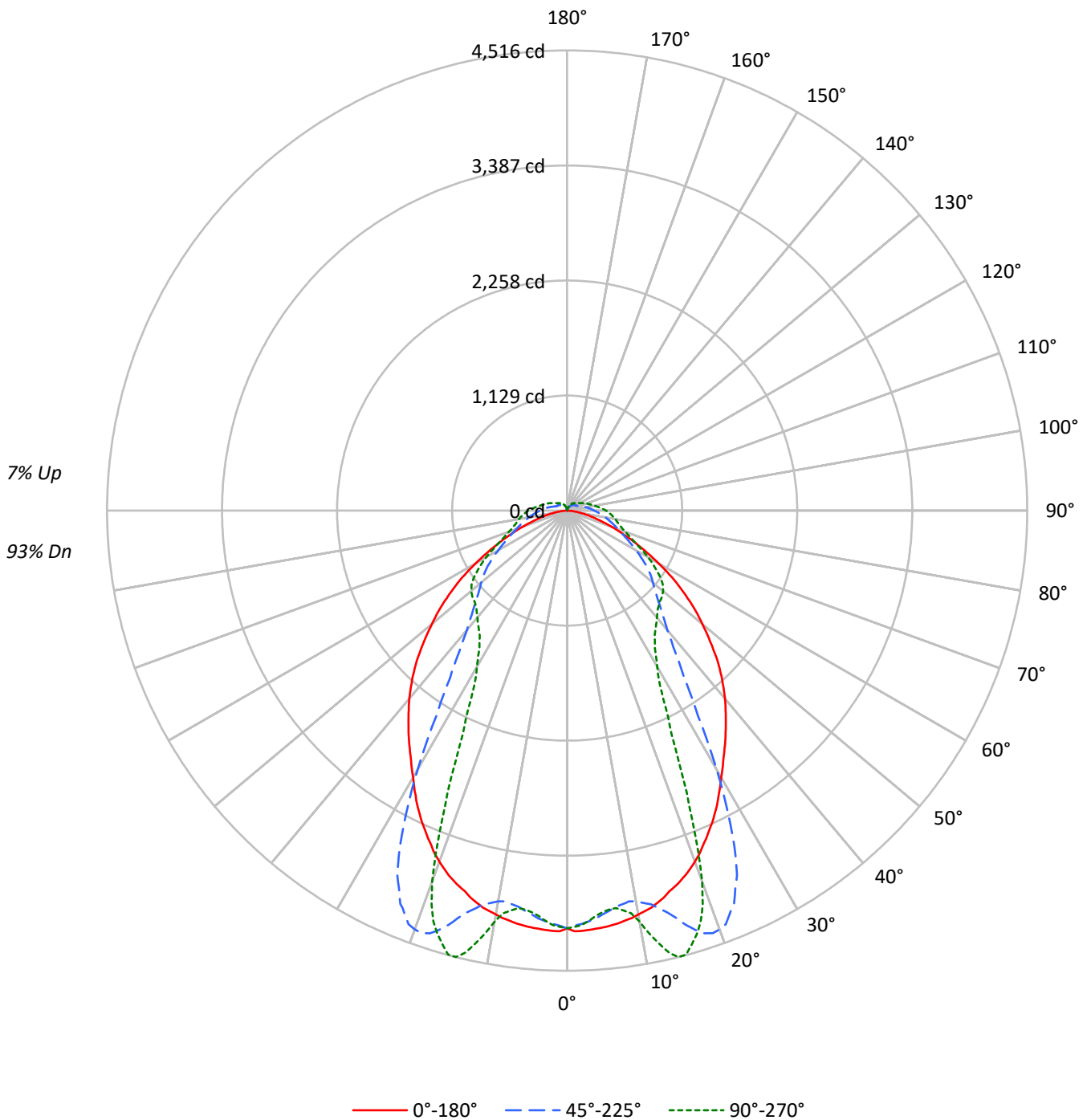
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9114.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44142	44142	44142
5°	44194	41197	40404
10°	43665	39116	40067
15°	42649	40687	42654
20°	41358	42373	35697
25°	39281	37982	21950
30°	36700	28268	15885
35°	34592	19494	13401
40°	32702	15116	12351
45°	30503	12858	11680
50°	27639	11528	11466
55°	24622	10413	10608
60°	20759	8999	9176
65°	16754	7826	7659
70°	13007	7022	6743
75°	9916	6515	6288
80°	6769	6154	6225
85°	3489	5853	6181



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.6	4.2
10°-20°	1166.0	12.8
20°-30°	1570.1	17.2
30°-40°	1485.9	16.3
40°-50°	1311.5	14.4
50°-60°	1065.2	11.7
60°-70°	724.5	7.9
70°-80°	466.2	5.1
80°-90°	310.0	3.4
90°-100°	213.0	2.3
100°-110°	143.0	1.6
110°-120°	100.9	1.1
120°-130°	72.1	0.8
130°-140°	50.8	0.6
140°-150°	31.6	0.3
150°-160°	15.4	0.2
160°-170°	5.4	0.1
170°-180°	0.9	0.0
0°-30°	3117.7	34.2
0°-40°	4603.6	50.5
0°-60°	6980.3	76.6
0°-90°	8480.9	93.1
90°-120°	456.9	5.0
90°-150°	611.4	6.7
90°-180°	633.0	6.9
0°-180°	9114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4101	4101	4101	4101	4101	
5°	4105	4068	3980	3977	3958	389
15°	3870	3845	4141	4507	4511	1091
25°	3372	3998	3945	2865	2423	1547
35°	2709	3802	2004	1543	1496	1695
45°	2087	2558	1268	1252	1279	1603
55°	1390	1513	952	1063	1104	1242
65°	717	815	637	708	731	719
75°	276	386	450	504	527	300
85°	42	164	319	404	431	55
90°	1	114	266	358	381	2
95°	1	88	224	303	324	1
105°	3	61	148	207	232	3
115°	3	53	108	154	174	3
125°	4	44	93	117	125	4
135°	6	35	76	97	103	4
145°	6	25	54	75	82	4
155°	7	15	33	50	57	3
165°	7	10	18	25	31	2
175°	8	8	8	8	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4100.9	4100.9	4100.9	4100.9	4100.9
1°	4128.7	4116.2	4074.4	4096.7	4085.5
2°	4127.3	4106.4	4059.1	4084.2	4070.2
3°	4120.3	4098.1	4036.8	4052.1	4031.3
4°	4113.4	4086.9	4013.2	4013.2	3989.5
5°	4105.0	4067.5	3979.8	3977.0	3957.5
6°	4095.3	4052.1	3950.6	3947.8	3936.6
7°	4081.4	4025.7	3918.6	3938.0	3929.7
8°	4064.7	4000.7	3901.9	3950.6	3963.1
9°	4049.4	3970.0	3882.4	3989.5	3999.3
10°	4024.3	3942.2	3894.9	4067.5	4096.7
11°	4003.4	3918.6	3922.7	4144.0	4231.7
12°	3982.6	3893.5	3949.2	4240.0	4347.2
13°	3947.8	3874.0	4007.6	4344.4	4454.3
14°	3917.2	3858.7	4064.7	4450.1	4515.5
15°	3869.9	3844.8	4141.2	4507.2	4511.4
16°	3837.9	3835.1	4230.3	4511.4	4433.4
17°	3801.7	3830.9	4302.6	4439.0	4347.2
18°	3761.3	3839.2	4362.5	4348.5	4242.8
19°	3715.4	3847.6	4387.5	4223.3	4086.9
20°	3665.3	3860.1	4373.6	4092.5	3872.6
21°	3615.2	3876.8	4347.2	3954.7	3591.5
22.5°	3522.0	3917.2	4221.9	3567.9	3126.8
23°	3495.5	3925.5	4192.7	3446.8	3005.7
24°	3430.1	3960.3	4059.1	3164.3	2685.7
25°	3371.7	3997.9	3945.0	2865.2	2422.7
26°	3306.3	4025.7	3772.4	2589.6	2261.2
27°	3242.3	4042.4	3576.2	2375.3	2080.3
28°	3168.5	4060.5	3363.3	2190.3	1944.0
29°	3098.9	4063.3	3153.2	2042.8	1836.8
30°	3023.8	4049.4	2932.0	1924.5	1770.0
32.5°	2859.6	3972.8	2390.7	1699.1	1603.0
35°	2709.3	3801.7	2003.8	1543.2	1495.9
37.5°	2557.6	3531.7	1732.5	1445.8	1430.5
40°	2408.7	3211.7	1527.9	1367.9	1370.7
42.5°	2251.5	2881.9	1387.4	1303.9	1316.4
45°	2087.3	2557.6	1267.7	1252.4	1278.8
47.5°	1905.0	2261.2	1173.1	1219.0	1259.3
50°	1732.5	1967.6	1099.3	1187.0	1228.7
52.5°	1568.3	1726.9	1032.5	1132.7	1181.4
55°	1390.1	1512.6	951.8	1063.1	1103.5
57.5°	1220.4	1319.2	866.9	976.9	1013.0
60°	1033.9	1128.5	780.7	883.6	918.4
62.5°	865.5	965.7	706.9	790.4	818.2
65°	716.6	815.4	637.3	708.3	730.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	584.4	690.2	580.3	640.1	661.0
70°	460.6	571.9	530.2	584.4	606.7
72.5°	360.4	473.1	488.4	538.5	560.8
75°	275.5	385.5	449.5	503.7	527.4
77.5°	204.6	314.5	413.3	475.9	501.0
80°	135.0	250.5	381.3	450.9	480.1
82.5°	84.9	201.8	349.3	425.8	456.4
85°	41.7	164.2	318.7	403.5	431.4
87.5°	13.9	136.4	290.8	381.3	404.9
90°	1.4	114.1	265.8	357.6	381.3
92.5°	1.4	98.8	244.9	329.8	353.4
95°	1.4	87.7	224.0	303.4	324.2
97.5°	1.4	79.3	204.6	275.5	297.8
100°	1.4	71.0	183.7	249.1	272.7
102.5°	2.8	65.4	165.6	226.8	251.9
105°	2.8	61.2	147.5	207.3	232.4
107.5°	2.8	58.4	132.2	192.0	215.7
110°	2.8	55.7	121.1	178.1	203.2
112.5°	2.8	54.3	114.1	165.6	189.2
115°	2.8	52.9	108.5	154.5	173.9
117.5°	4.2	51.5	104.4	143.3	158.6
120°	4.2	48.7	101.6	133.6	146.1
122.5°	4.2	45.9	97.4	125.2	135.0
125°	4.2	44.5	93.2	116.9	125.2
127.5°	4.2	41.7	89.1	109.9	118.3
130°	5.6	39.0	84.9	104.4	111.3
132.5°	5.6	36.2	80.7	101.6	107.1
135°	5.6	34.8	76.5	97.4	103.0
137.5°	5.6	32.0	72.4	93.2	98.8
140°	5.6	29.2	66.8	87.7	93.2
142.5°	5.6	27.8	61.2	82.1	87.7
145°	5.6	25.0	54.3	75.1	82.1
147.5°	7.0	23.7	48.7	69.6	75.1
150°	7.0	20.9	43.1	64.0	69.6
152.5°	7.0	18.1	37.6	57.1	62.6
155°	7.0	15.3	33.4	50.1	57.1
157.5°	7.0	13.9	29.2	41.7	50.1
160°	7.0	12.5	25.0	36.2	43.1
162.5°	7.0	11.1	22.3	30.6	37.6
165°	7.0	9.7	18.1	25.0	30.6
167.5°	8.3	9.7	15.3	19.5	25.0
170°	8.3	9.7	12.5	15.3	19.5
172.5°	8.3	8.3	9.7	11.1	12.5
175°	8.3	8.3	8.3	8.3	7.0
177.5°	8.3	8.3	8.3	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.0	7.0	7.0	7.0	7.0

(END OF REPORT)