

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: P565957

Luminaire Tested: **4SNX-100HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565957
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-L950-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

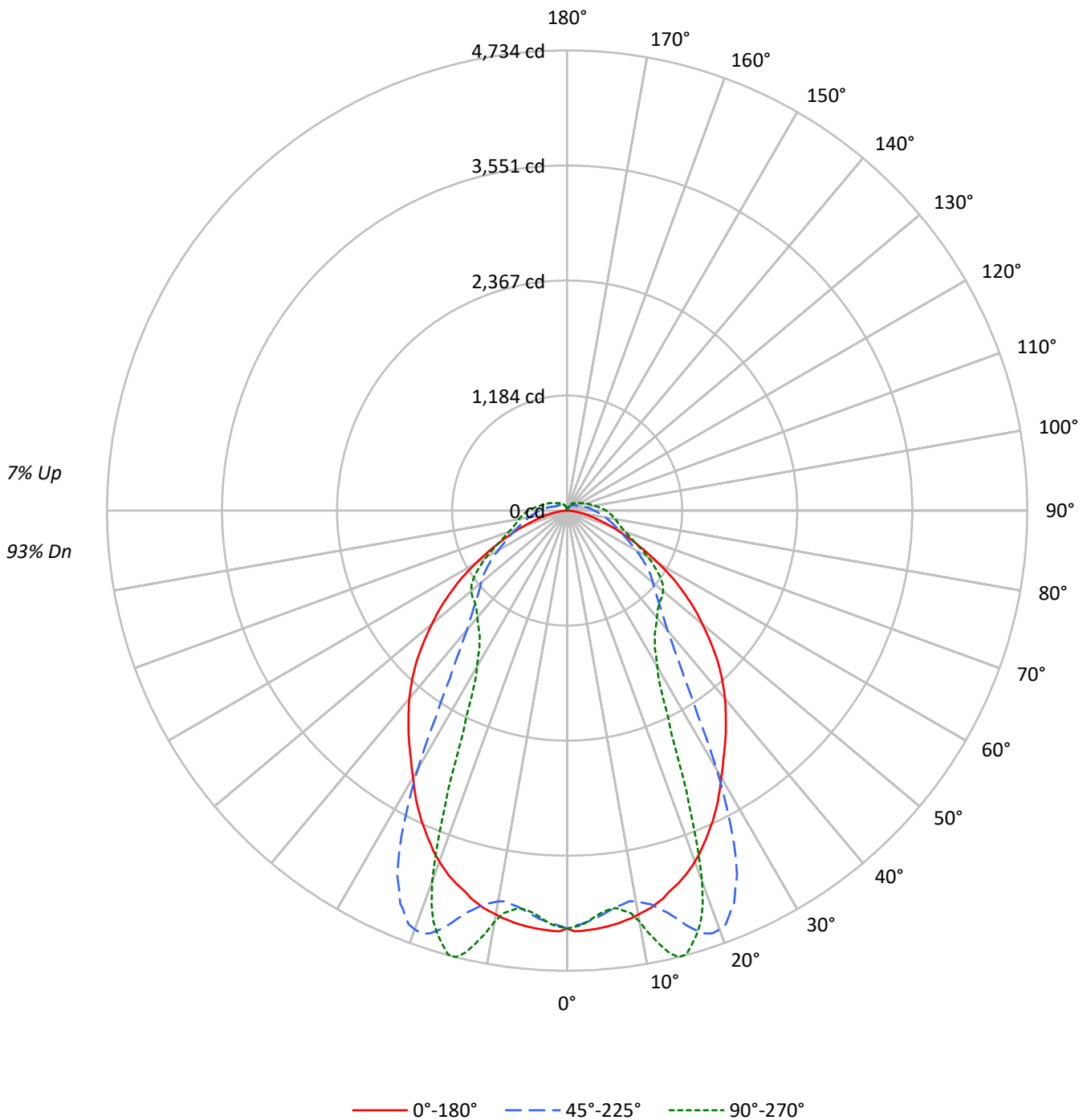
Lumens per Lamp: N/A
Luminaire Lumens: 9555.0 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

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°	46277	46277	46277
5°	46333	43190	42359
10°	45777	41010	42005
15°	44712	42656	44717
20°	43359	44424	37425
25°	41181	39820	23012
30°	38476	29635	16654
35°	36266	20437	14049
40°	34285	15847	12948
45°	31979	13479	12245
50°	28976	12085	12021
55°	25814	10917	11122
60°	21763	9434	9620
65°	17566	8205	8029
70°	13637	7361	7070
75°	10398	6830	6592
80°	7095	6451	6526
85°	3664	6136	6479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.1	4.2
10°-20°	1222.4	12.8
20°-30°	1646.0	17.2
30°-40°	1557.8	16.3
40°-50°	1375.0	14.4
50°-60°	1116.8	11.7
60°-70°	759.5	7.9
70°-80°	488.7	5.1
80°-90°	325.0	3.4
90°-100°	223.4	2.3
100°-110°	149.9	1.6
110°-120°	105.7	1.1
120°-130°	75.5	0.8
130°-140°	53.3	0.6
140°-150°	33.1	0.3
150°-160°	16.1	0.2
160°-170°	5.6	0.1
170°-180°	1.0	0.0
0°-30°	3268.5	34.2
0°-40°	4826.3	50.5
0°-60°	7318.1	76.6
0°-90°	8891.3	93.1
90°-120°	479.0	5.0
90°-150°	640.9	6.7
90°-180°	664.0	6.9
0°-180°	9555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4299	4299	4299	4299	4299	
5°	4304	4264	4172	4169	4149	408
15°	4057	4031	4342	4725	4730	1144
25°	3535	4191	4136	3004	2540	1622
35°	2840	3986	2101	1618	1568	1777
45°	2188	2681	1329	1313	1341	1680
55°	1457	1586	998	1115	1157	1302
65°	751	855	668	743	766	754
75°	289	404	471	528	553	314
85°	44	172	334	423	452	57
90°	2	120	279	375	400	3
95°	2	92	235	318	340	1
105°	3	64	155	217	244	3
115°	3	55	114	162	182	3
125°	4	47	98	122	131	4
135°	6	36	80	102	108	4
145°	6	26	57	79	86	4
155°	7	16	35	52	60	3
165°	7	10	19	26	32	2
175°	9	9	9	9	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4299.3	4299.3	4299.3	4299.3	4299.3
1°	4328.5	4315.3	4271.6	4294.9	4283.2
2°	4327.0	4305.1	4255.5	4281.8	4267.2
3°	4319.7	4296.4	4232.2	4248.2	4226.3
4°	4312.4	4284.7	4207.4	4207.4	4182.6
5°	4303.7	4264.3	4172.4	4169.4	4149.0
6°	4293.4	4248.2	4141.7	4138.8	4127.1
7°	4278.9	4220.5	4108.2	4128.6	4119.8
8°	4261.3	4194.2	4090.7	4141.7	4154.9
9°	4245.3	4162.1	4070.2	4182.6	4192.8
10°	4219.0	4133.0	4083.4	4264.3	4294.9
11°	4197.2	4108.2	4112.5	4344.5	4436.4
12°	4175.3	4081.9	4140.3	4445.2	4557.5
13°	4138.8	4061.5	4201.5	4554.6	4669.8
14°	4106.7	4045.4	4261.3	4665.5	4734.0
15°	4057.1	4030.8	4341.6	4725.3	4729.6
16°	4023.6	4020.6	4435.0	4729.6	4647.9
17°	3985.6	4016.3	4510.8	4653.8	4557.5
18°	3943.3	4025.0	4573.5	4559.0	4448.1
19°	3895.2	4033.8	4599.8	4427.7	4284.7
20°	3842.7	4046.9	4585.2	4290.5	4060.0
21°	3790.1	4064.4	4557.5	4146.1	3765.3
22.5°	3692.4	4106.7	4426.2	3740.5	3278.1
23°	3664.7	4115.5	4395.6	3613.6	3151.2
24°	3596.1	4151.9	4255.5	3317.5	2815.6
25°	3534.8	4191.3	4135.9	3003.8	2539.9
26°	3466.3	4220.5	3955.0	2715.0	2370.7
27°	3399.2	4238.0	3749.3	2490.3	2181.0
28°	3321.8	4257.0	3526.1	2296.3	2038.0
29°	3248.9	4259.9	3305.8	2141.6	1925.7
30°	3170.1	4245.3	3073.8	2017.6	1855.7
32.5°	2998.0	4165.1	2506.3	1781.3	1680.6
35°	2840.4	3985.6	2100.8	1617.9	1568.3
37.5°	2681.4	3702.6	1816.3	1515.8	1499.7
40°	2525.3	3367.1	1601.8	1434.1	1437.0
42.5°	2360.4	3021.3	1454.5	1367.0	1380.1
45°	2188.3	2681.4	1329.0	1313.0	1340.7
47.5°	1997.2	2370.7	1229.8	1278.0	1320.3
50°	1816.3	2062.8	1152.5	1244.4	1288.2
52.5°	1644.1	1810.5	1082.5	1187.5	1238.6
55°	1457.4	1585.8	997.9	1114.6	1156.9
57.5°	1279.4	1383.0	908.9	1024.1	1062.1
60°	1083.9	1183.1	818.4	926.4	962.9
62.5°	907.4	1012.5	741.1	828.6	857.8
65°	751.3	854.9	668.2	742.6	765.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	612.7	723.6	608.3	671.1	693.0
70°	482.9	599.6	555.8	612.7	636.1
72.5°	377.8	496.0	512.1	564.6	587.9
75°	288.9	404.1	471.2	528.1	552.9
77.5°	214.5	329.7	433.3	498.9	525.2
80°	141.5	262.6	399.7	472.7	503.3
82.5°	89.0	211.5	366.2	446.4	478.5
85°	43.8	172.1	334.1	423.1	452.2
87.5°	14.6	143.0	304.9	399.7	424.5
90°	1.5	119.6	278.6	374.9	399.7
92.5°	1.5	103.6	256.8	345.8	370.6
95°	1.5	91.9	234.9	318.0	339.9
97.5°	1.5	83.2	214.5	288.9	312.2
100°	1.5	74.4	192.6	261.1	285.9
102.5°	2.9	68.6	173.6	237.8	264.1
105°	2.9	64.2	154.6	217.4	243.6
107.5°	2.9	61.3	138.6	201.3	226.1
110°	2.9	58.4	126.9	186.7	213.0
112.5°	2.9	56.9	119.6	173.6	198.4
115°	2.9	55.4	113.8	161.9	182.4
117.5°	4.4	54.0	109.4	150.3	166.3
120°	4.4	51.1	106.5	140.1	153.2
122.5°	4.4	48.1	102.1	131.3	141.5
125°	4.4	46.7	97.7	122.5	131.3
127.5°	4.4	43.8	93.4	115.3	124.0
130°	5.8	40.8	89.0	109.4	116.7
132.5°	5.8	37.9	84.6	106.5	112.3
135°	5.8	36.5	80.2	102.1	108.0
137.5°	5.8	33.6	75.9	97.7	103.6
140°	5.8	30.6	70.0	91.9	97.7
142.5°	5.8	29.2	64.2	86.1	91.9
145°	5.8	26.3	56.9	78.8	86.1
147.5°	7.3	24.8	51.1	72.9	78.8
150°	7.3	21.9	45.2	67.1	72.9
152.5°	7.3	19.0	39.4	59.8	65.6
155°	7.3	16.0	35.0	52.5	59.8
157.5°	7.3	14.6	30.6	43.8	52.5
160°	7.3	13.1	26.3	37.9	45.2
162.5°	7.3	11.7	23.3	32.1	39.4
165°	7.3	10.2	19.0	26.3	32.1
167.5°	8.8	10.2	16.0	20.4	26.3
170°	8.8	10.2	13.1	16.0	20.4
172.5°	8.8	8.8	10.2	11.7	13.1
175°	8.8	8.8	8.8	8.8	7.3
177.5°	8.8	8.8	8.8	7.3	7.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)