

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: P566053

Luminaire Tested: **4SNX-116HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566053
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-116HL-LC-UNV-L950-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

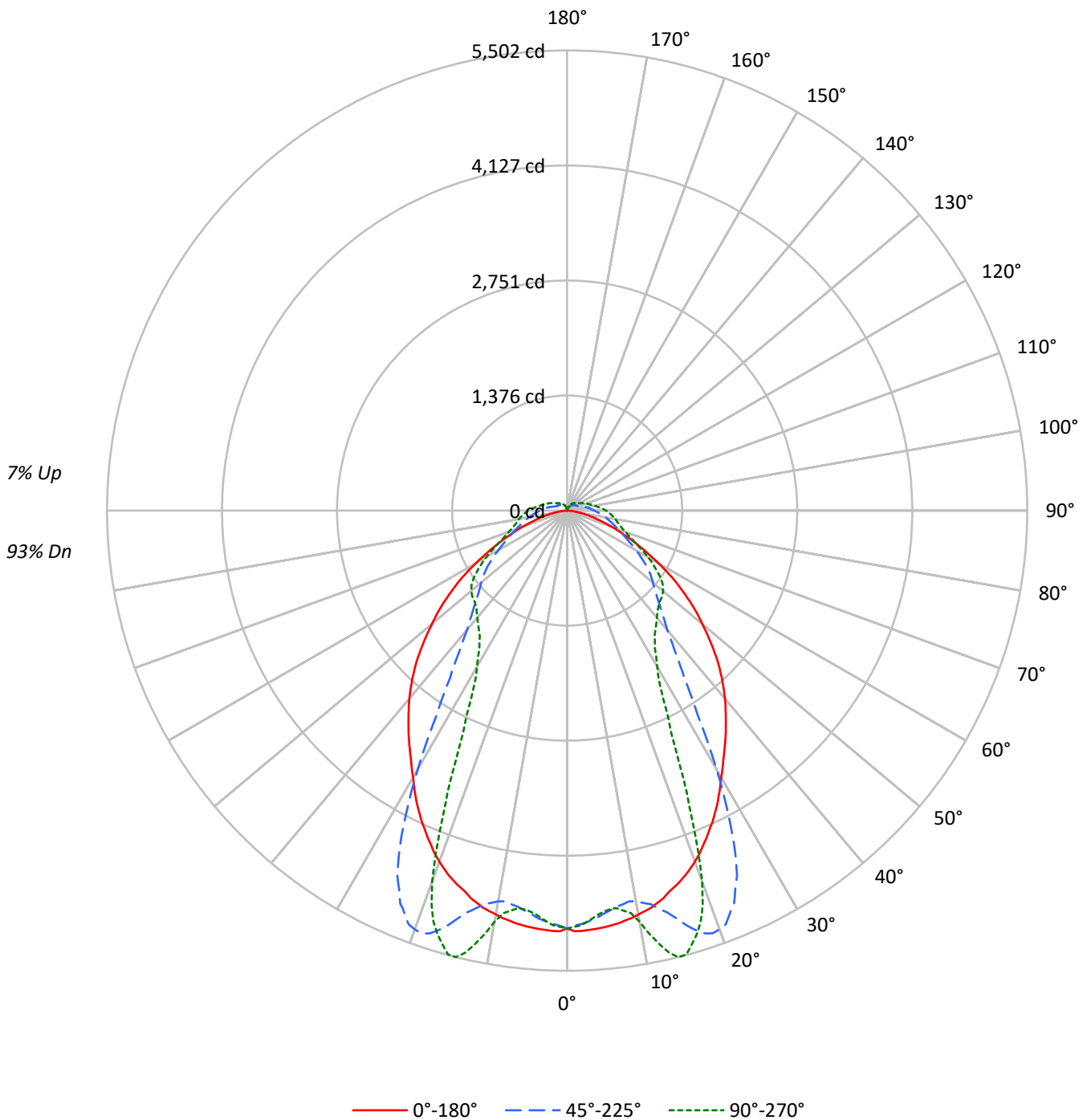
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11105.0 lumens
Efficiency: N/A
Efficacy: 130.0 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): 85.4
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°	53784	53784	53784
5°	53848	50196	49231
10°	53203	47662	48819
15°	51964	49576	51971
20°	50393	51630	43496
25°	47862	46280	26744
30°	44718	34443	19356
35°	42149	23753	16328
40°	39846	18418	15049
45°	37167	15666	14232
50°	33676	14046	13970
55°	30001	12688	12925
60°	25295	10965	11180
65°	20416	9535	9331
70°	15848	8556	8216
75°	12082	7939	7662
80°	8248	7499	7585
85°	4258	7131	7530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.9	4.2
10°-20°	1420.7	12.8
20°-30°	1913.0	17.2
30°-40°	1810.5	16.3
40°-50°	1598.0	14.4
50°-60°	1298.0	11.7
60°-70°	882.7	7.9
70°-80°	568.0	5.1
80°-90°	377.7	3.4
90°-100°	259.6	2.3
100°-110°	174.2	1.6
110°-120°	122.9	1.1
120°-130°	87.8	0.8
130°-140°	62.0	0.6
140°-150°	38.5	0.3
150°-160°	18.8	0.2
160°-170°	6.6	0.1
170°-180°	1.1	0.0
0°-30°	3798.7	34.2
0°-40°	5609.2	50.5
0°-60°	8505.2	76.6
0°-90°	10333.7	93.1
90°-120°	556.7	5.0
90°-150°	744.9	6.7
90°-180°	771.0	6.9
0°-180°	11105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4997	4997	4997	4997	4997	
5°	5002	4956	4849	4846	4822	474
15°	4715	4685	5046	5492	5497	1329
25°	4108	4871	4807	3491	2952	1885
35°	3301	4632	2442	1880	1823	2066
45°	2543	3116	1545	1526	1558	1953
55°	1694	1843	1160	1295	1344	1513
65°	873	994	776	863	890	877
75°	336	470	548	614	643	365
85°	51	200	388	492	526	67
90°	2	139	324	436	465	3
95°	2	107	273	370	395	1
105°	3	75	180	253	283	3
115°	3	64	132	188	212	4
125°	5	54	114	142	153	5
135°	7	42	93	119	126	5
145°	7	30	66	92	100	5
155°	8	19	41	61	70	4
165°	8	12	22	30	37	3
175°	10	10	10	10	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4996.7	4996.7	4996.7	4996.7	4996.7
1°	5030.6	5015.4	4964.5	4991.6	4978.1
2°	5028.9	5003.5	4945.8	4976.4	4959.4
3°	5020.4	4993.3	4918.7	4937.4	4911.9
4°	5012.0	4979.7	4889.9	4889.9	4861.1
5°	5001.8	4956.0	4849.2	4845.8	4822.1
6°	4989.9	4937.4	4813.6	4810.2	4796.6
7°	4973.0	4905.1	4774.6	4798.3	4788.2
8°	4952.6	4874.6	4754.2	4813.6	4828.8
9°	4934.0	4837.3	4730.5	4861.1	4872.9
10°	4903.4	4803.4	4745.8	4956.0	4991.6
11°	4878.0	4774.6	4779.7	5049.3	5156.1
12°	4852.6	4744.1	4811.9	5166.3	5296.8
13°	4810.2	4720.3	4883.1	5293.4	5427.4
14°	4772.9	4701.7	4952.6	5422.3	5502.0
15°	4715.2	4684.7	5045.9	5491.8	5496.9
16°	4676.2	4672.9	5154.4	5496.9	5401.9
17°	4632.2	4667.8	5242.6	5408.7	5296.8
18°	4583.0	4677.9	5315.5	5298.5	5169.6
19°	4527.0	4688.1	5346.0	5145.9	4979.7
20°	4466.0	4703.4	5329.0	4986.5	4718.6
21°	4405.0	4723.7	5296.8	4818.7	4376.1
22.5°	4291.4	4772.9	5144.2	4347.3	3809.8
23°	4259.2	4783.1	5108.6	4199.8	3662.3
24°	4179.5	4825.5	4945.8	3855.6	3272.4
25°	4108.2	4871.2	4806.8	3491.1	2951.9
26°	4028.6	4905.1	4596.6	3155.4	2755.2
27°	3950.6	4925.5	4357.5	2894.3	2534.8
28°	3860.7	4947.5	4098.1	2668.8	2368.6
29°	3775.9	4950.9	3842.1	2489.0	2238.1
30°	3684.4	4934.0	3572.5	2344.9	2156.7
32.5°	3484.3	4840.7	2912.9	2070.2	1953.2
35°	3301.2	4632.2	2441.6	1880.3	1822.7
37.5°	3116.4	4303.2	2110.9	1761.6	1743.0
40°	2934.9	3913.3	1861.7	1666.7	1670.1
42.5°	2743.4	3511.4	1690.4	1588.7	1604.0
45°	2543.3	3116.4	1544.6	1526.0	1558.2
47.5°	2321.2	2755.2	1429.3	1485.3	1534.4
50°	2110.9	2397.5	1339.5	1446.3	1497.1
52.5°	1910.9	2104.1	1258.1	1380.2	1439.5
55°	1693.8	1843.0	1159.7	1295.4	1344.5
57.5°	1487.0	1607.4	1056.3	1190.3	1234.3
60°	1259.8	1375.1	951.2	1076.7	1119.0
62.5°	1054.6	1176.7	861.3	963.1	997.0
65°	873.2	993.6	776.5	863.0	890.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	712.1	841.0	707.0	779.9	805.4
70°	561.2	696.9	646.0	712.1	739.2
72.5°	439.1	576.5	595.1	656.2	683.3
75°	335.7	469.7	547.7	613.8	642.6
77.5°	249.2	383.2	503.6	579.9	610.4
80°	164.5	305.2	464.6	549.3	585.0
82.5°	103.4	245.9	425.6	518.8	556.1
85°	50.9	200.1	388.3	491.7	525.6
87.5°	17.0	166.2	354.4	464.6	493.4
90°	1.7	139.0	323.8	435.7	464.6
92.5°	1.7	120.4	298.4	401.8	430.7
95°	1.7	106.8	273.0	369.6	395.1
97.5°	1.7	96.6	249.2	335.7	362.8
100°	1.7	86.5	223.8	303.5	332.3
102.5°	3.4	79.7	201.8	276.4	306.9
105°	3.4	74.6	179.7	252.6	283.2
107.5°	3.4	71.2	161.1	234.0	262.8
110°	3.4	67.8	147.5	217.0	247.5
112.5°	3.4	66.1	139.0	201.8	230.6
115°	3.4	64.4	132.3	188.2	211.9
117.5°	5.1	62.7	127.2	174.6	193.3
120°	5.1	59.3	123.8	162.8	178.0
122.5°	5.1	56.0	118.7	152.6	164.5
125°	5.1	54.3	113.6	142.4	152.6
127.5°	5.1	50.9	108.5	133.9	144.1
130°	6.8	47.5	103.4	127.2	135.6
132.5°	6.8	44.1	98.3	123.8	130.6
135°	6.8	42.4	93.3	118.7	125.5
137.5°	6.8	39.0	88.2	113.6	120.4
140°	6.8	35.6	81.4	106.8	113.6
142.5°	6.8	33.9	74.6	100.0	106.8
145°	6.8	30.5	66.1	91.6	100.0
147.5°	8.5	28.8	59.3	84.8	91.6
150°	8.5	25.4	52.6	78.0	84.8
152.5°	8.5	22.0	45.8	69.5	76.3
155°	8.5	18.7	40.7	61.0	69.5
157.5°	8.5	17.0	35.6	50.9	61.0
160°	8.5	15.3	30.5	44.1	52.6
162.5°	8.5	13.6	27.1	37.3	45.8
165°	8.5	11.9	22.0	30.5	37.3
167.5°	10.2	11.9	18.7	23.7	30.5
170°	10.2	11.9	15.3	18.7	23.7
172.5°	10.2	10.2	11.9	13.6	15.3
175°	10.2	10.2	10.2	10.2	8.5
177.5°	10.2	10.2	10.2	8.5	8.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.5	8.5	8.5	8.5	8.5

(END OF REPORT)