

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: P566052

Luminaire Tested: **4SNX-116HL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566052
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-L940-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

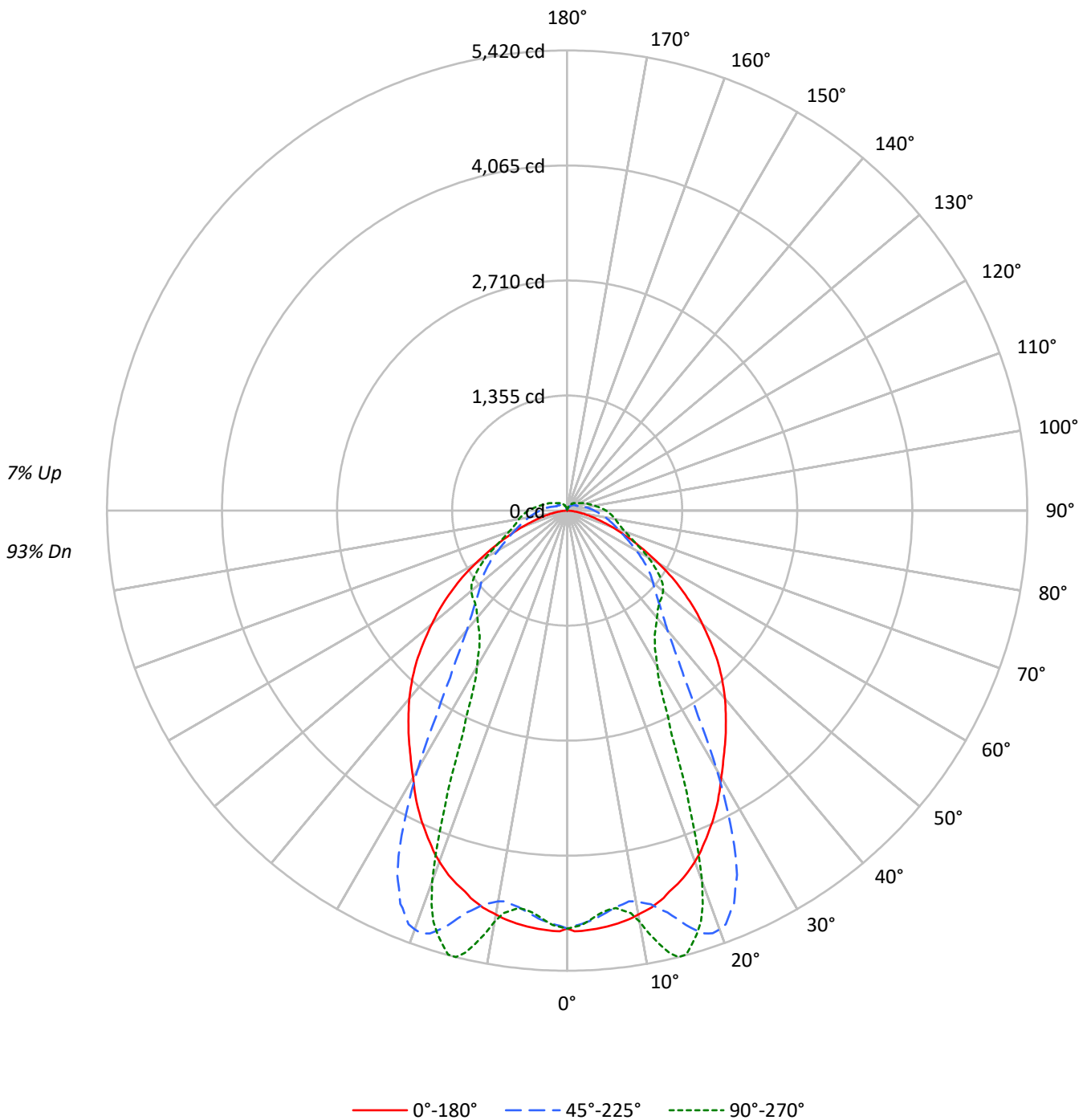
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10940.0 lumens
Efficiency: N/A
Efficacy: 128.1 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	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°	52985	52985	52985
5°	53048	49450	48499
10°	52413	46954	48094
15°	51193	48839	51199
20°	49643	50863	42850
25°	47151	45592	26347
30°	44053	33931	19068
35°	41522	23400	16086
40°	39254	18144	14825
45°	36614	15434	14020
50°	33177	13838	13763
55°	29557	12499	12734
60°	24920	10802	11014
65°	20112	9394	9192
70°	15613	8429	8094
75°	11902	7820	7548
80°	8122	7387	7472
85°	4191	7024	7419



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.0	4.2
10°-20°	1399.6	12.8
20°-30°	1884.6	17.2
30°-40°	1783.6	16.3
40°-50°	1574.3	14.4
50°-60°	1278.7	11.7
60°-70°	869.6	7.9
70°-80°	559.6	5.1
80°-90°	372.1	3.4
90°-100°	255.7	2.3
100°-110°	171.7	1.6
110°-120°	121.1	1.1
120°-130°	86.5	0.8
130°-140°	61.0	0.6
140°-150°	37.9	0.3
150°-160°	18.5	0.2
160°-170°	6.5	0.1
170°-180°	1.1	0.0
0°-30°	3742.3	34.2
0°-40°	5525.9	50.5
0°-60°	8378.8	76.6
0°-90°	10180.1	93.1
90°-120°	548.4	5.0
90°-150°	733.8	6.7
90°-180°	760.0	6.9
0°-180°	10940.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4922	4922	4922	4922	4922	
5°	4928	4882	4777	4774	4750	467
15°	4645	4615	4971	5410	5415	1310
25°	4047	4799	4735	3439	2908	1857
35°	3252	4563	2405	1852	1796	2035
45°	2506	3070	1522	1503	1535	1924
55°	1669	1816	1142	1276	1325	1490
65°	860	979	765	850	877	864
75°	331	463	540	605	633	360
85°	50	197	382	484	518	66
90°	2	137	319	429	458	3
95°	2	105	269	364	389	1
105°	3	74	177	249	279	3
115°	3	64	130	185	209	4
125°	5	54	112	140	150	5
135°	7	42	92	117	124	5
145°	7	30	65	90	98	5
155°	8	18	40	60	68	4
165°	8	12	22	30	37	3
175°	10	10	10	10	8	1
180°	8	8	8	8	8	



TEST NUMBER: P566052

CATALOG NUMBER: 4SNX-116HL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4922.5	4922.5	4922.5	4922.5	4922.5
1°	4955.9	4940.8	4890.7	4917.5	4904.1
2°	4954.2	4929.1	4872.4	4902.4	4885.7
3°	4945.8	4919.1	4845.6	4864.0	4838.9
4°	4937.5	4905.8	4817.2	4817.2	4788.8
5°	4927.5	4882.4	4777.1	4773.8	4750.4
6°	4915.8	4864.0	4742.1	4738.7	4725.4
7°	4899.1	4832.3	4703.6	4727.0	4717.0
8°	4879.0	4802.2	4683.6	4742.1	4757.1
9°	4860.7	4765.5	4660.2	4788.8	4800.5
10°	4830.6	4732.0	4675.3	4882.4	4917.5
11°	4805.5	4703.6	4708.7	4974.2	5079.5
12°	4780.5	4673.6	4740.4	5089.5	5218.1
13°	4738.7	4650.2	4810.5	5214.8	5346.7
14°	4702.0	4631.8	4879.0	5341.7	5420.2
15°	4645.2	4615.1	4970.9	5410.2	5415.2
16°	4606.8	4603.4	5077.8	5415.2	5321.7
17°	4563.3	4598.4	5164.7	5328.4	5218.1
18°	4514.9	4608.4	5236.5	5219.8	5092.8
19°	4459.8	4618.5	5266.5	5069.5	4905.8
20°	4399.6	4633.5	5249.8	4912.4	4648.5
21°	4339.5	4653.5	5218.1	4747.1	4311.1
22.5°	4227.6	4702.0	5067.8	4282.7	3753.2
23°	4195.9	4712.0	5032.7	4137.4	3607.9
24°	4117.4	4753.8	4872.4	3798.3	3223.7
25°	4047.2	4798.9	4735.4	3439.2	2908.0
26°	3968.7	4832.3	4528.3	3108.5	2714.3
27°	3891.9	4852.3	4292.7	2851.3	2497.1
28°	3803.3	4874.0	4037.2	2629.1	2333.5
29°	3719.8	4877.4	3785.0	2452.0	2204.8
30°	3629.6	4860.7	3519.4	2310.1	2124.7
32.5°	3432.5	4768.8	2869.6	2039.5	1924.2
35°	3252.1	4563.3	2405.3	1852.4	1795.6
37.5°	3070.1	4239.3	2079.6	1735.5	1717.1
40°	2891.3	3855.1	1834.0	1641.9	1645.3
42.5°	2702.6	3459.3	1665.3	1565.1	1580.1
45°	2505.5	3070.1	1521.7	1503.3	1535.0
47.5°	2286.7	2714.3	1408.1	1463.2	1511.6
50°	2079.6	2361.8	1319.6	1424.8	1474.9
52.5°	1882.5	2072.9	1239.4	1359.6	1418.1
55°	1668.7	1815.6	1142.5	1276.1	1324.6
57.5°	1464.9	1583.5	1040.6	1172.6	1216.0
60°	1241.1	1354.6	937.1	1060.7	1102.4
62.5°	1038.9	1159.2	848.5	948.7	982.2
65°	860.2	978.8	765.0	850.2	876.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	701.5	828.5	696.5	768.4	793.4
70°	552.9	686.5	636.4	701.5	728.3
72.5°	432.6	567.9	586.3	646.4	673.1
75°	330.7	462.7	539.5	604.7	633.1
77.5°	245.5	377.5	496.1	571.3	601.3
80°	162.0	300.7	457.7	541.2	576.3
82.5°	101.9	242.2	419.3	511.1	547.9
85°	50.1	197.1	382.5	484.4	517.8
87.5°	16.7	163.7	349.1	457.7	486.1
90°	1.7	137.0	319.0	429.3	457.7
92.5°	1.7	118.6	294.0	395.9	424.3
95°	1.7	105.2	268.9	364.1	389.2
97.5°	1.7	95.2	245.5	330.7	357.5
100°	1.7	85.2	220.5	299.0	327.4
102.5°	3.3	78.5	198.8	272.3	302.3
105°	3.3	73.5	177.1	248.9	278.9
107.5°	3.3	70.2	158.7	230.5	258.9
110°	3.3	66.8	145.3	213.8	243.9
112.5°	3.3	65.1	137.0	198.8	227.2
115°	3.3	63.5	130.3	185.4	208.8
117.5°	5.0	61.8	125.3	172.0	190.4
120°	5.0	58.5	121.9	160.4	175.4
122.5°	5.0	55.1	116.9	150.3	162.0
125°	5.0	53.5	111.9	140.3	150.3
127.5°	5.0	50.1	106.9	132.0	142.0
130°	6.7	46.8	101.9	125.3	133.6
132.5°	6.7	43.4	96.9	121.9	128.6
135°	6.7	41.8	91.9	116.9	123.6
137.5°	6.7	38.4	86.9	111.9	118.6
140°	6.7	35.1	80.2	105.2	111.9
142.5°	6.7	33.4	73.5	98.5	105.2
145°	6.7	30.1	65.1	90.2	98.5
147.5°	8.4	28.4	58.5	83.5	90.2
150°	8.4	25.1	51.8	76.8	83.5
152.5°	8.4	21.7	45.1	68.5	75.2
155°	8.4	18.4	40.1	60.1	68.5
157.5°	8.4	16.7	35.1	50.1	60.1
160°	8.4	15.0	30.1	43.4	51.8
162.5°	8.4	13.4	26.7	36.7	45.1
165°	8.4	11.7	21.7	30.1	36.7
167.5°	10.0	11.7	18.4	23.4	30.1
170°	10.0	11.7	15.0	18.4	23.4
172.5°	10.0	10.0	11.7	13.4	15.0
175°	10.0	10.0	10.0	10.0	8.4
177.5°	10.0	10.0	10.0	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.4	8.4	8.4	8.4	8.4

(END OF REPORT)