

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: P566051

Luminaire Tested: **4SNX-116HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566051
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-L935-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

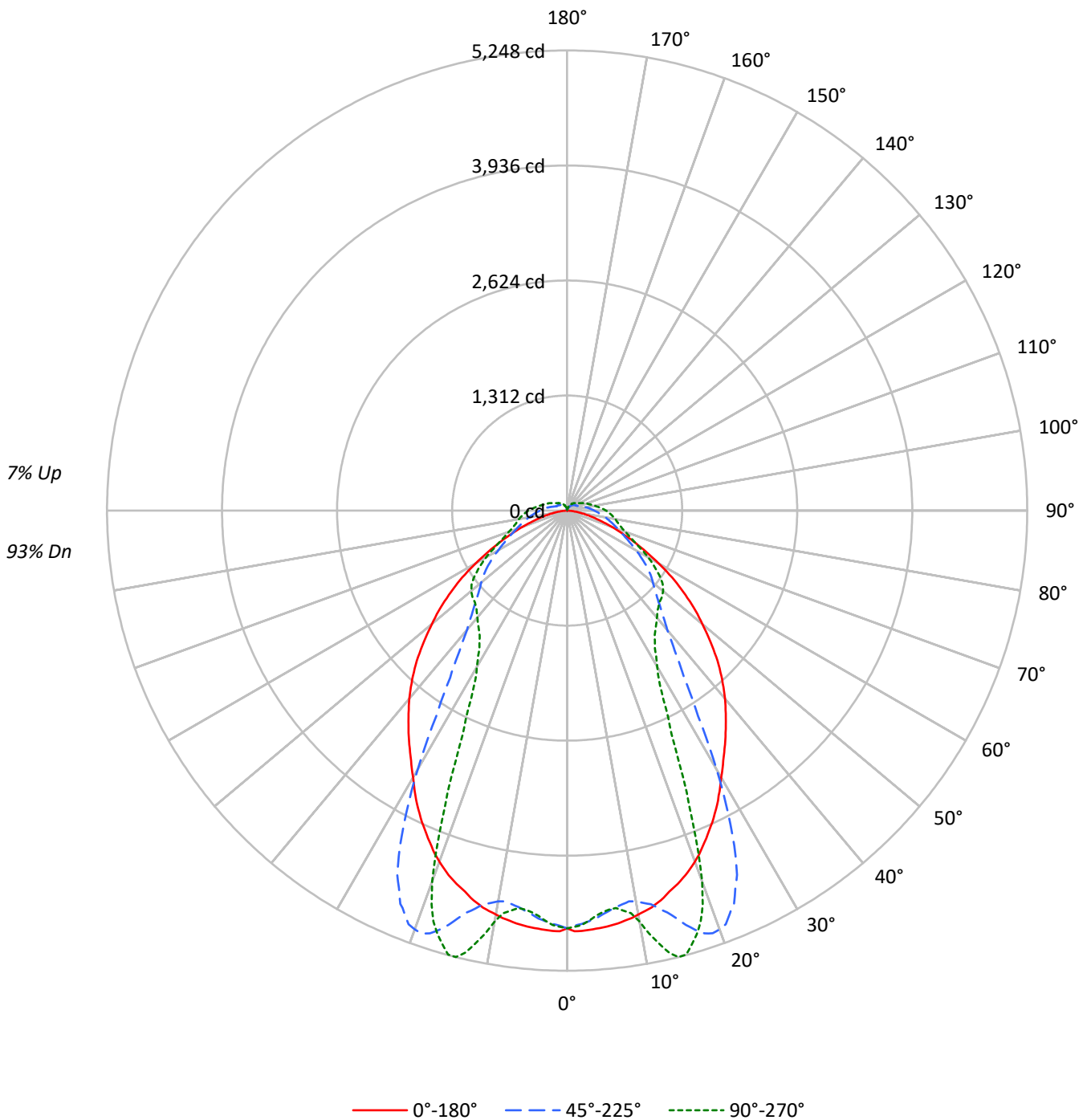
Lumens per Lamp: N/A
Luminaire Lumens: 10592.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 85.4
Input Voltage (V): NR
Input Current (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	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°	51300	51300	51300
5°	51360	47877	46957
10°	50746	45460	46564
15°	49564	47286	49571
20°	48065	49245	41487
25°	45652	44142	25509
30°	42652	32851	18462
35°	40202	22655	15574
40°	38006	17568	14353
45°	35450	14943	13574
50°	32121	13397	13325
55°	28616	12102	12328
60°	24127	10458	10663
65°	19474	9096	8900
70°	15116	8161	7837
75°	11525	7572	7308
80°	7867	7152	7233
85°	4057	6800	7182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.5	4.2
10°-20°	1355.1	12.8
20°-30°	1824.7	17.2
30°-40°	1726.9	16.3
40°-50°	1524.2	14.4
50°-60°	1238.0	11.7
60°-70°	842.0	7.9
70°-80°	541.8	5.1
80°-90°	360.2	3.4
90°-100°	247.6	2.3
100°-110°	166.2	1.6
110°-120°	117.2	1.1
120°-130°	83.8	0.8
130°-140°	59.1	0.6
140°-150°	36.7	0.3
150°-160°	17.9	0.2
160°-170°	6.3	0.1
170°-180°	1.1	0.0
0°-30°	3623.2	34.2
0°-40°	5350.1	50.5
0°-60°	8112.3	76.6
0°-90°	9856.3	93.1
90°-120°	531.0	5.0
90°-150°	710.5	6.7
90°-180°	736.0	6.9
0°-180°	10592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4766	4766	4766	4766	4766	
5°	4771	4727	4625	4622	4599	453
15°	4497	4468	4813	5238	5243	1268
25°	3918	4646	4585	3330	2816	1798
35°	3149	4418	2329	1794	1738	1970
45°	2426	2972	1473	1456	1486	1862
55°	1616	1758	1106	1236	1282	1443
65°	833	948	741	823	849	836
75°	320	448	522	585	613	348
85°	48	191	370	469	501	64
90°	2	133	309	416	443	3
95°	2	102	260	352	377	1
105°	3	71	171	241	270	3
115°	3	62	126	180	202	4
125°	5	52	108	136	146	5
135°	6	40	89	113	120	5
145°	6	29	63	87	95	4
155°	8	18	39	58	66	4
165°	8	11	21	29	36	2
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°	4765.9	4765.9	4765.9	4765.9	4765.9
1°	4798.2	4783.7	4735.2	4761.0	4748.1
2°	4796.6	4772.3	4717.4	4746.5	4730.3
3°	4788.5	4762.6	4691.5	4709.3	4685.0
4°	4780.4	4749.7	4664.0	4664.0	4636.5
5°	4770.7	4727.1	4625.2	4621.9	4599.3
6°	4759.4	4709.3	4591.2	4588.0	4575.0
7°	4743.2	4678.5	4554.0	4576.7	4567.0
8°	4723.8	4649.4	4534.6	4591.2	4605.8
9°	4706.0	4613.9	4512.0	4636.5	4647.8
10°	4676.9	4581.5	4526.5	4727.1	4761.0
11°	4652.7	4554.0	4558.9	4816.0	4917.9
12°	4628.4	4524.9	4589.6	4927.6	5052.1
13°	4588.0	4502.3	4657.5	5048.9	5176.6
14°	4552.4	4484.5	4723.8	5171.8	5247.8
15°	4497.4	4468.3	4812.8	5238.1	5243.0
16°	4460.2	4457.0	4916.3	5243.0	5152.4
17°	4418.2	4452.1	5000.4	5158.9	5052.1
18°	4371.3	4461.8	5069.9	5053.7	4930.8
19°	4317.9	4471.5	5099.0	4908.2	4749.7
20°	4259.7	4486.1	5082.8	4756.2	4500.7
21°	4201.5	4505.5	5052.1	4596.1	4174.0
22.5°	4093.1	4552.4	4906.6	4146.5	3633.8
23°	4062.4	4562.1	4872.6	4005.8	3493.1
24°	3986.4	4602.5	4717.4	3677.5	3121.2
25°	3918.5	4646.2	4584.8	3329.8	2815.5
26°	3842.5	4678.5	4384.2	3009.6	2627.9
27°	3768.1	4698.0	4156.2	2760.6	2417.7
28°	3682.4	4719.0	3908.8	2545.5	2259.2
29°	3601.5	4722.2	3664.6	2374.0	2134.7
30°	3514.2	4706.0	3407.4	2236.6	2057.1
32.5°	3323.3	4617.1	2778.3	1974.6	1863.0
35°	3148.7	4418.2	2328.8	1793.5	1738.5
37.5°	2972.4	4104.4	2013.4	1680.3	1662.5
40°	2799.4	3732.5	1775.7	1589.7	1592.9
42.5°	2616.6	3349.2	1612.3	1515.3	1529.9
45°	2425.8	2972.4	1473.3	1455.5	1486.2
47.5°	2213.9	2627.9	1363.3	1416.7	1463.6
50°	2013.4	2286.7	1277.6	1379.5	1428.0
52.5°	1822.6	2006.9	1200.0	1316.4	1373.0
55°	1615.6	1757.9	1106.2	1235.5	1282.4
57.5°	1418.3	1533.1	1007.5	1135.3	1177.3
60°	1201.6	1311.5	907.2	1026.9	1067.3
62.5°	1005.9	1122.3	821.5	918.6	950.9
65°	832.9	947.7	740.7	823.2	849.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	679.2	802.1	674.4	743.9	768.2
70°	535.3	664.7	616.2	679.2	705.1
72.5°	418.9	549.8	567.6	625.9	651.7
75°	320.2	448.0	522.4	585.4	612.9
77.5°	237.7	365.5	480.3	553.1	582.2
80°	156.9	291.1	443.1	524.0	557.9
82.5°	98.6	234.5	405.9	494.9	530.4
85°	48.5	190.8	370.3	469.0	501.3
87.5°	16.2	158.5	338.0	443.1	470.6
90°	1.6	132.6	308.9	415.6	443.1
92.5°	1.6	114.8	284.6	383.3	410.8
95°	1.6	101.9	260.4	352.5	376.8
97.5°	1.6	92.2	237.7	320.2	346.1
100°	1.6	82.5	213.5	289.5	317.0
102.5°	3.2	76.0	192.4	263.6	292.7
105°	3.2	71.2	171.4	241.0	270.1
107.5°	3.2	67.9	153.6	223.2	250.7
110°	3.2	64.7	140.7	207.0	236.1
112.5°	3.2	63.1	132.6	192.4	219.9
115°	3.2	61.5	126.1	179.5	202.1
117.5°	4.9	59.8	121.3	166.6	184.4
120°	4.9	56.6	118.1	155.3	169.8
122.5°	4.9	53.4	113.2	145.5	156.9
125°	4.9	51.8	108.4	135.8	145.5
127.5°	4.9	48.5	103.5	127.8	137.5
130°	6.5	45.3	98.6	121.3	129.4
132.5°	6.5	42.0	93.8	118.1	124.5
135°	6.5	40.4	88.9	113.2	119.7
137.5°	6.5	37.2	84.1	108.4	114.8
140°	6.5	34.0	77.6	101.9	108.4
142.5°	6.5	32.3	71.2	95.4	101.9
145°	6.5	29.1	63.1	87.3	95.4
147.5°	8.1	27.5	56.6	80.9	87.3
150°	8.1	24.3	50.1	74.4	80.9
152.5°	8.1	21.0	43.7	66.3	72.8
155°	8.1	17.8	38.8	58.2	66.3
157.5°	8.1	16.2	34.0	48.5	58.2
160°	8.1	14.6	29.1	42.0	50.1
162.5°	8.1	12.9	25.9	35.6	43.7
165°	8.1	11.3	21.0	29.1	35.6
167.5°	9.7	11.3	17.8	22.6	29.1
170°	9.7	11.3	14.6	17.8	22.6
172.5°	9.7	9.7	11.3	12.9	14.6
175°	9.7	9.7	9.7	9.7	8.1
177.5°	9.7	9.7	9.7	8.1	8.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.1	8.1	8.1	8.1	8.1

(END OF REPORT)