

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: P566050

Luminaire Tested: **4SNX-116HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566050
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-L930-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

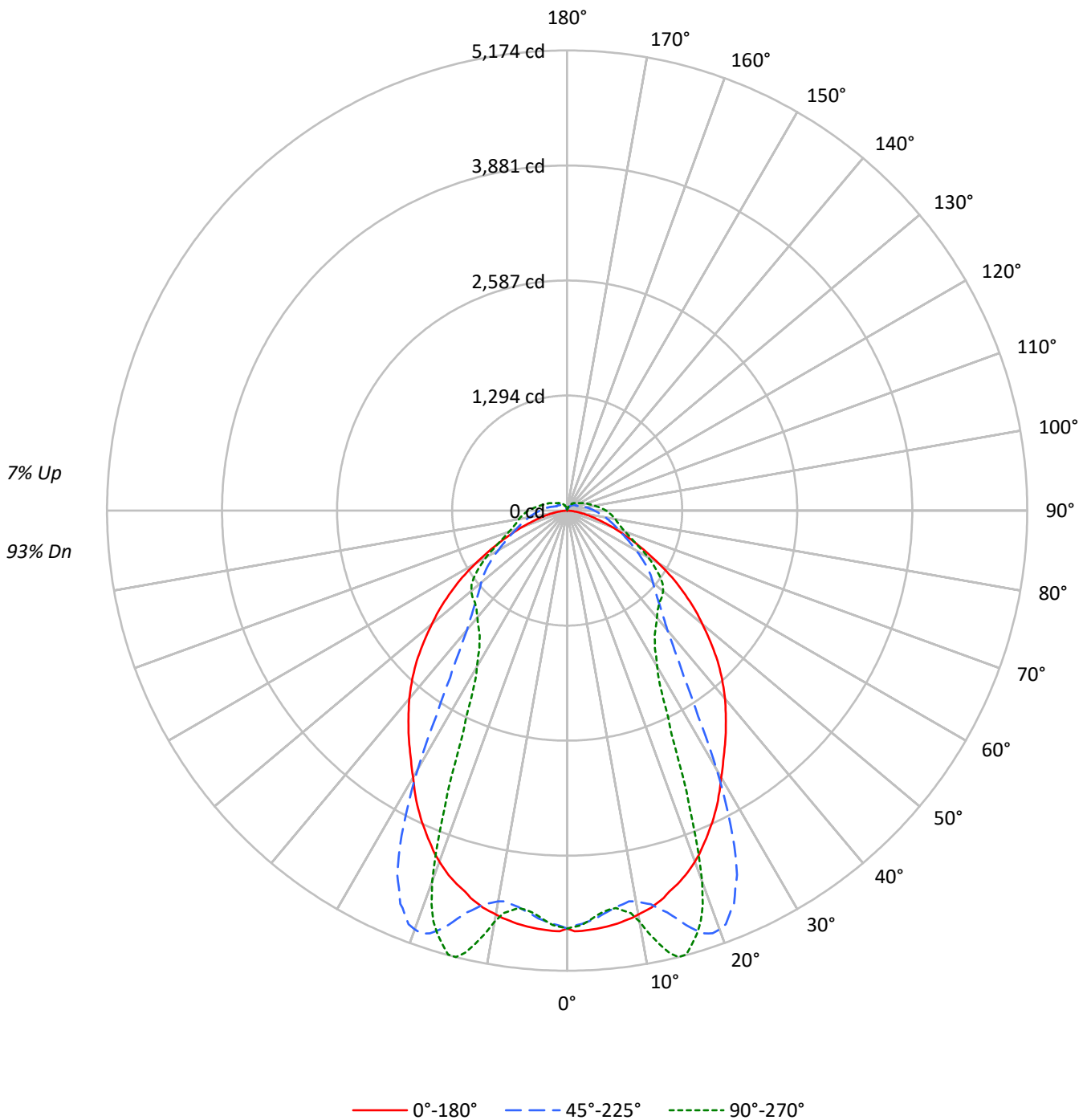
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10443.0 lumens
Efficiency: N/A
Efficacy: 122.3 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	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°	50577	50577	50577
5°	50638	47204	46296
10°	50032	44821	45910
15°	48867	46621	48873
20°	47389	48552	40903
25°	45009	43521	25150
30°	42051	32389	18202
35°	39636	22336	15355
40°	37471	17320	14151
45°	34951	14732	13383
50°	31669	13208	13138
55°	28214	11932	12155
60°	23787	10311	10514
65°	19198	8968	8775
70°	14904	8046	7727
75°	11363	7465	7205
80°	7756	7051	7132
85°	3999	6705	7082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.2	4.2
10°-20°	1336.0	12.8
20°-30°	1799.0	17.2
30°-40°	1702.6	16.3
40°-50°	1502.8	14.4
50°-60°	1220.6	11.7
60°-70°	830.1	7.9
70°-80°	534.2	5.1
80°-90°	355.2	3.4
90°-100°	244.1	2.3
100°-110°	163.9	1.6
110°-120°	115.6	1.1
120°-130°	82.6	0.8
130°-140°	58.3	0.6
140°-150°	36.2	0.3
150°-160°	17.6	0.2
160°-170°	6.2	0.1
170°-180°	1.1	0.0
0°-30°	3572.3	34.2
0°-40°	5274.8	50.5
0°-60°	7998.2	76.6
0°-90°	9717.6	93.1
90°-120°	523.5	5.0
90°-150°	700.5	6.7
90°-180°	725.0	6.9
0°-180°	10443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4699	4699	4699	4699	4699	
5°	4704	4661	4560	4557	4535	446
15°	4434	4406	4745	5164	5169	1250
25°	3863	4581	4520	3283	2776	1773
35°	3104	4356	2296	1768	1714	1943
45°	2392	2931	1452	1435	1465	1836
55°	1593	1733	1091	1218	1264	1423
65°	821	934	730	812	837	824
75°	316	442	515	577	604	344
85°	48	188	365	462	494	63
90°	2	131	304	410	437	3
95°	2	100	257	348	372	1
105°	3	70	169	238	266	3
115°	3	61	124	177	199	4
125°	5	51	107	134	144	4
135°	6	40	88	112	118	5
145°	6	29	62	86	94	4
155°	8	18	38	57	65	4
165°	8	11	21	29	35	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°	4698.8	4698.8	4698.8	4698.8	4698.8
1°	4730.7	4716.4	4668.5	4694.1	4681.3
2°	4729.1	4705.2	4651.0	4679.7	4663.8
3°	4721.2	4695.6	4625.5	4643.0	4619.1
4°	4713.2	4682.9	4598.4	4598.4	4571.3
5°	4703.6	4660.6	4560.1	4556.9	4534.6
6°	4692.5	4643.0	4526.6	4523.4	4510.7
7°	4676.5	4612.7	4490.0	4512.3	4502.7
8°	4657.4	4584.0	4470.8	4526.6	4541.0
9°	4639.8	4549.0	4448.5	4571.3	4582.4
10°	4611.1	4517.1	4462.9	4660.6	4694.1
11°	4587.2	4490.0	4494.7	4748.3	4848.7
12°	4563.3	4461.3	4525.0	4858.3	4981.1
13°	4523.4	4438.9	4592.0	4977.9	5103.8
14°	4488.4	4421.4	4657.4	5099.0	5174.0
15°	4434.2	4405.5	4745.1	5164.4	5169.2
16°	4397.5	4394.3	4847.1	5169.2	5079.9
17°	4356.0	4389.5	4930.0	5086.3	4981.1
18°	4309.8	4399.1	4998.6	4982.6	4861.5
19°	4257.2	4408.6	5027.3	4839.1	4682.9
20°	4199.8	4423.0	5011.3	4689.3	4437.3
21°	4142.4	4442.1	4981.1	4531.4	4115.3
22.5°	4035.5	4488.4	4837.6	4088.2	3582.7
23°	4005.3	4497.9	4804.1	3949.4	3444.0
24°	3930.3	4537.8	4651.0	3625.8	3077.3
25°	3863.3	4580.8	4520.3	3283.0	2775.9
26°	3788.4	4612.7	4322.5	2967.3	2591.0
27°	3715.1	4631.9	4097.7	2721.7	2383.7
28°	3630.6	4652.6	3853.8	2509.7	2227.4
29°	3550.8	4655.8	3613.0	2340.6	2104.7
30°	3464.7	4639.8	3359.5	2205.1	2028.1
32.5°	3276.6	4552.1	2739.3	1946.8	1836.8
35°	3104.4	4356.0	2296.0	1768.2	1714.0
37.5°	2930.6	4046.7	1985.1	1656.6	1639.1
40°	2760.0	3680.0	1750.7	1567.3	1570.5
42.5°	2579.8	3302.1	1589.7	1494.0	1508.3
45°	2391.7	2930.6	1452.5	1435.0	1465.3
47.5°	2182.8	2591.0	1344.1	1396.7	1443.0
50°	1985.1	2254.5	1259.6	1360.1	1407.9
52.5°	1796.9	1978.7	1183.1	1297.9	1353.7
55°	1592.9	1733.2	1090.6	1218.2	1264.4
57.5°	1398.3	1511.5	993.3	1119.3	1160.8
60°	1184.7	1293.1	894.5	1012.5	1052.3
62.5°	991.7	1106.5	810.0	905.6	937.5
65°	821.1	934.3	730.3	811.6	837.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	669.7	790.8	664.9	733.4	757.4
70°	527.8	655.3	607.5	669.7	695.2
72.5°	413.0	542.1	559.7	617.1	642.6
75°	315.7	441.7	515.0	577.2	604.3
77.5°	234.4	360.3	473.6	545.3	574.0
80°	154.7	287.0	436.9	516.6	550.1
82.5°	97.3	231.2	400.2	487.9	523.0
85°	47.8	188.1	365.1	462.4	494.3
87.5°	15.9	156.3	333.2	436.9	464.0
90°	1.6	130.7	304.5	409.8	436.9
92.5°	1.6	113.2	280.6	377.9	405.0
95°	1.6	100.5	256.7	347.6	371.5
97.5°	1.6	90.9	234.4	315.7	341.2
100°	1.6	81.3	210.5	285.4	312.5
102.5°	3.2	74.9	189.7	259.9	288.6
105°	3.2	70.2	169.0	237.6	266.3
107.5°	3.2	67.0	151.5	220.0	247.1
110°	3.2	63.8	138.7	204.1	232.8
112.5°	3.2	62.2	130.7	189.7	216.8
115°	3.2	60.6	124.4	177.0	199.3
117.5°	4.8	59.0	119.6	164.2	181.8
120°	4.8	55.8	116.4	153.1	167.4
122.5°	4.8	52.6	111.6	143.5	154.7
125°	4.8	51.0	106.8	133.9	143.5
127.5°	4.8	47.8	102.0	126.0	135.5
130°	6.4	44.6	97.3	119.6	127.6
132.5°	6.4	41.5	92.5	116.4	122.8
135°	6.4	39.9	87.7	111.6	118.0
137.5°	6.4	36.7	82.9	106.8	113.2
140°	6.4	33.5	76.5	100.5	106.8
142.5°	6.4	31.9	70.2	94.1	100.5
145°	6.4	28.7	62.2	86.1	94.1
147.5°	8.0	27.1	55.8	79.7	86.1
150°	8.0	23.9	49.4	73.3	79.7
152.5°	8.0	20.7	43.1	65.4	71.8
155°	8.0	17.5	38.3	57.4	65.4
157.5°	8.0	15.9	33.5	47.8	57.4
160°	8.0	14.4	28.7	41.5	49.4
162.5°	8.0	12.8	25.5	35.1	43.1
165°	8.0	11.2	20.7	28.7	35.1
167.5°	9.6	11.2	17.5	22.3	28.7
170°	9.6	11.2	14.4	17.5	22.3
172.5°	9.6	9.6	11.2	12.8	14.4
175°	9.6	9.6	9.6	9.6	8.0
177.5°	9.6	9.6	9.6	8.0	8.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.0	8.0	8.0	8.0	8.0

(END OF REPORT)