

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: P566614

Luminaire Tested: **4SNX-60SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-60SL-FDL-UNV-L830-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

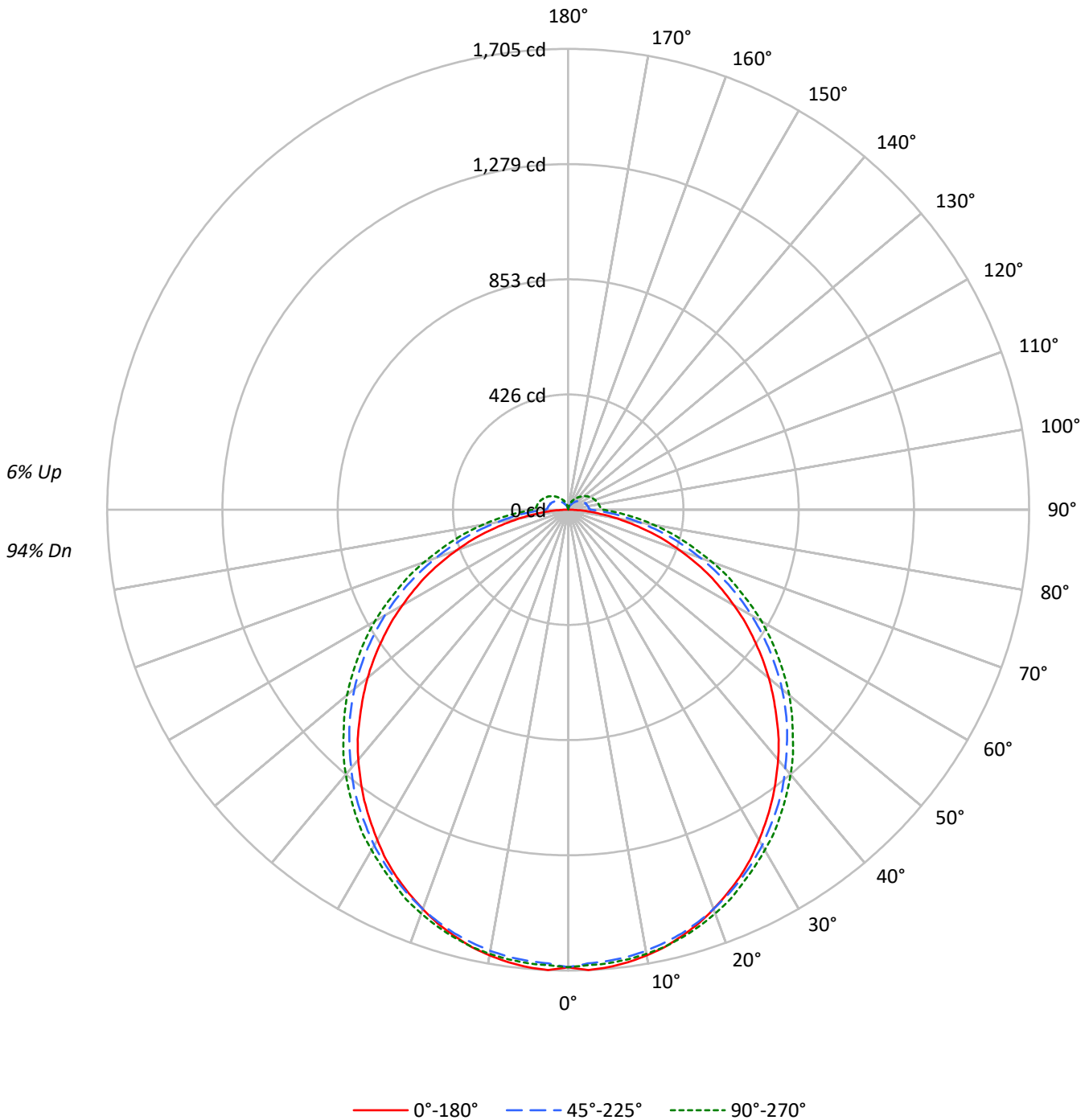
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5379.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 42
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

TEST NUMBER: P566614
CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L830-CD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18220	18220	18220
5°	18344	17918	17945
10°	18270	17724	17720
15°	18132	17500	17467
20°	17946	17228	17169
25°	17732	16931	16817
30°	17441	16627	16491
35°	17148	16272	16151
40°	16824	15879	15770
45°	16417	15490	15325
50°	16023	15046	14918
55°	15534	14496	14352
60°	14986	13868	13797
65°	14405	13119	13029
70°	13407	12179	12235
75°	12202	11068	11284
80°	10424	9598	10229
85°	8200	8321	8992



TEST NUMBER: P566614

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	3.0
10°-20°	460.6	8.6
20°-30°	698.1	13.0
30°-40°	842.7	15.7
40°-50°	880.0	16.4
50°-60°	808.4	15.0
60°-70°	639.3	11.9
70°-80°	404.6	7.5
80°-90°	173.9	3.2
90°-100°	76.5	1.4
100°-110°	68.5	1.3
110°-120°	57.9	1.1
120°-130°	45.1	0.8
130°-140°	31.2	0.6
140°-150°	18.7	0.3
150°-160°	9.1	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1319.2	24.5
0°-40°	2162.0	40.2
0°-60°	3850.4	71.6
0°-90°	5068.2	94.2
90°-120°	202.9	3.8
90°-150°	298.0	5.5
90°-180°	311.0	5.8
0°-180°	5379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1699	1695	1676	1691	1685	161
15°	1632	1632	1623	1640	1637	460
25°	1500	1507	1509	1529	1526	691
35°	1314	1330	1347	1368	1373	822
45°	1090	1116	1145	1167	1174	842
55°	840	874	911	940	947	752
65°	578	611	653	684	694	569
75°	305	341	390	424	440	323
85°	74	114	164	199	212	82
90°	5	41	84	117	130	6
95°	1	35	76	107	118	1
105°	1	32	71	100	110	1
115°	1	28	65	90	100	1
125°	2	25	54	78	87	2
135°	2	19	44	62	70	1
145°	2	14	30	47	51	1
155°	2	10	20	30	35	1
165°	3	7	10	14	20	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566614

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1692.7	1692.7	1692.7	1692.7	1692.7
2.5°	1705.1	1699.3	1680.3	1693.6	1687.0
5°	1699.3	1694.6	1676.5	1690.8	1685.0
7.5°	1688.9	1685.0	1668.9	1684.1	1678.4
10°	1674.6	1671.7	1657.4	1672.7	1668.9
12.5°	1656.5	1655.5	1641.2	1658.4	1655.5
15°	1631.7	1631.7	1623.1	1640.3	1637.4
17.5°	1605.0	1606.0	1599.3	1617.4	1615.5
20°	1572.6	1577.4	1572.6	1591.7	1589.8
22.5°	1537.4	1544.1	1542.2	1561.2	1562.2
25°	1500.3	1506.9	1508.8	1528.8	1526.0
27.5°	1459.3	1469.8	1473.6	1491.7	1490.7
30°	1411.7	1426.0	1434.5	1449.8	1454.5
32.5°	1363.1	1380.2	1390.7	1411.7	1417.4
35°	1314.5	1329.8	1346.9	1367.9	1372.6
37.5°	1261.2	1278.3	1301.2	1321.2	1326.9
40°	1207.8	1226.9	1248.8	1270.7	1279.3
42.5°	1152.6	1172.6	1196.4	1222.1	1230.7
45°	1089.7	1116.4	1145.0	1166.9	1174.5
47.5°	1029.7	1059.2	1089.7	1113.5	1122.1
50°	968.7	1000.2	1032.6	1054.5	1067.8
52.5°	904.9	939.2	971.6	999.2	1007.8
55°	840.1	874.4	910.6	940.2	946.8
57.5°	777.3	810.6	846.8	874.4	887.8
60°	708.7	744.9	783.9	811.6	825.9
62.5°	642.0	677.3	719.2	748.7	760.1
65°	578.2	610.6	653.4	683.9	694.4
67.5°	507.7	544.9	585.8	621.1	634.4
70°	438.2	473.4	520.1	553.4	566.8
72.5°	373.4	407.7	454.4	487.7	500.1
75°	304.8	341.0	390.5	423.9	440.1
77.5°	239.1	279.1	326.7	362.9	381.0
80°	178.1	213.4	264.8	304.8	321.0
82.5°	121.0	159.1	212.4	249.6	267.7
85°	74.3	114.3	163.8	199.1	211.5
87.5°	35.2	73.3	119.1	153.4	168.6
90°	4.8	41.0	83.8	117.2	129.5
92.5°	1.0	35.2	77.2	108.6	120.0
95°	1.0	35.2	76.2	106.7	118.1
97.5°	1.0	34.3	75.3	105.7	116.2
100°	1.0	33.3	74.3	103.8	115.3
102.5°	1.0	33.3	72.4	101.9	112.4
105°	1.0	32.4	71.4	100.0	110.5
107.5°	1.0	31.4	69.5	98.1	108.6
110°	1.0	29.5	68.6	95.3	105.7



TEST NUMBER: P566614

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	28.6	66.7	93.3	102.9
115°	1.0	27.6	64.8	90.5	100.0
117.5°	1.0	26.7	61.9	87.6	97.2
120°	1.9	26.7	60.0	84.8	93.3
122.5°	1.9	25.7	57.2	81.0	89.5
125°	1.9	24.8	54.3	78.1	86.7
127.5°	1.9	23.8	51.4	74.3	81.9
130°	1.9	21.9	49.5	70.5	78.1
132.5°	1.9	21.0	46.7	65.7	73.3
135°	1.9	19.1	43.8	61.9	69.5
137.5°	1.9	18.1	41.0	58.1	64.8
140°	1.9	17.1	37.1	54.3	61.0
142.5°	1.9	15.2	34.3	50.5	56.2
145°	1.9	14.3	30.5	46.7	51.4
147.5°	1.9	12.4	27.6	42.9	47.6
150°	1.9	11.4	24.8	39.1	43.8
152.5°	1.9	10.5	21.9	34.3	39.1
155°	1.9	9.5	20.0	29.5	35.2
157.5°	1.9	8.6	17.1	25.7	31.4
160°	2.9	7.6	15.2	21.9	26.7
162.5°	2.9	6.7	12.4	18.1	23.8
165°	2.9	6.7	10.5	14.3	20.0
167.5°	2.9	5.7	8.6	11.4	16.2
170°	2.9	4.8	7.6	8.6	12.4
172.5°	2.9	3.8	5.7	5.7	6.7
175°	2.9	3.8	4.8	4.8	2.9
177.5°	2.9	2.9	2.9	2.9	1.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)