

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: P566734

Luminaire Tested: **4SNX-67SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-LW-UNV-L830-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

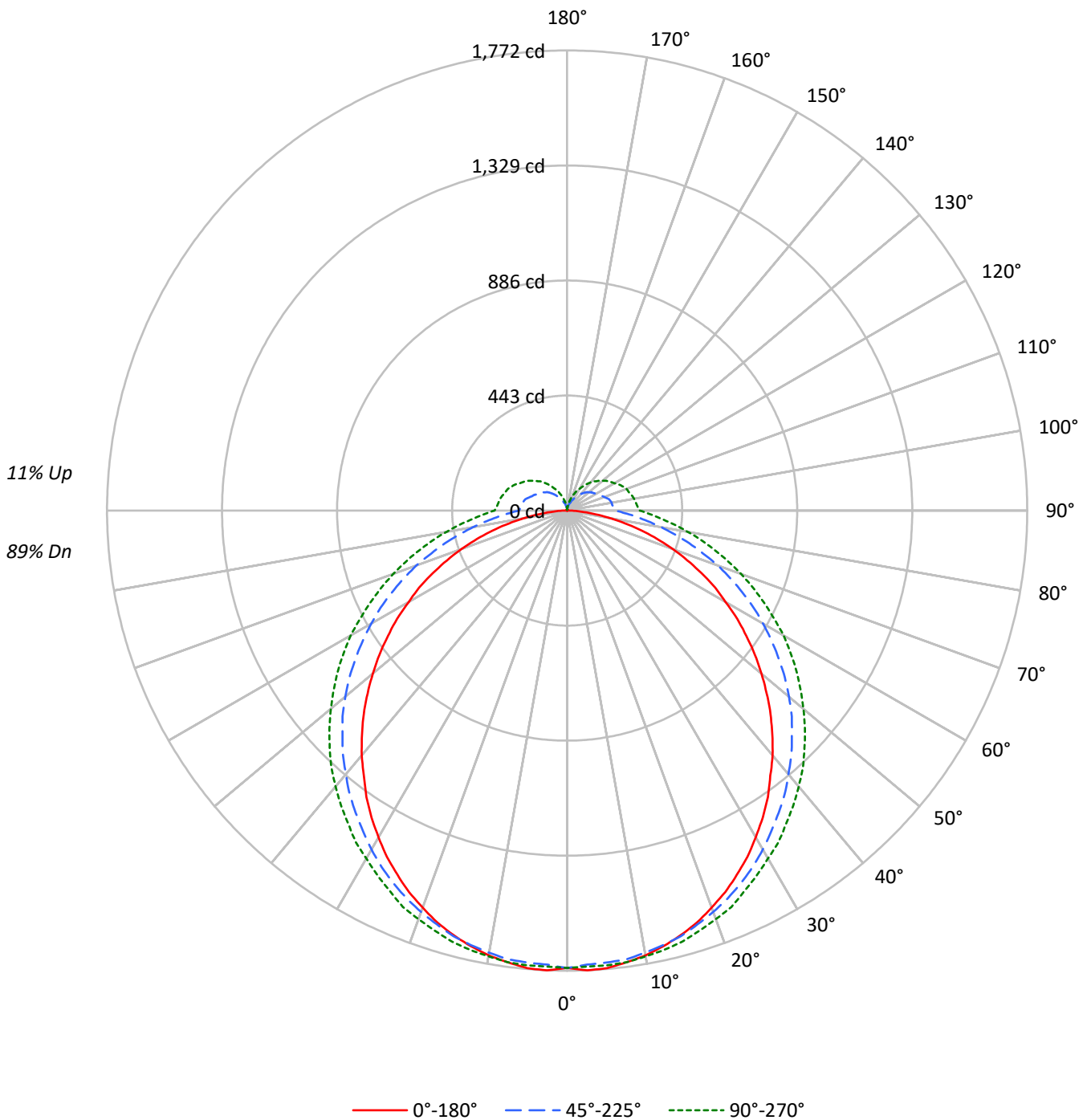
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6270.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 47.9
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18958	18958	18958
5°	19039	18081	17944
10°	18874	17360	17048
15°	18650	16662	16240
20°	18357	15938	15432
25°	18023	15244	14641
30°	17630	14530	13884
35°	17202	13813	13175
40°	16714	13114	12500
45°	16186	12412	11808
50°	15585	11691	11081
55°	14923	10886	10368
60°	14145	10047	9614
65°	13329	9141	8755
70°	12202	8176	7911
75°	10718	7053	7014
80°	8373	5920	6121
85°	5471	4868	5202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	2.7
10°-20°	480.8	7.7
20°-30°	731.1	11.7
30°-40°	887.5	14.2
40°-50°	937.9	15.0
50°-60°	877.6	14.0
60°-70°	720.1	11.5
70°-80°	495.3	7.9
80°-90°	271.2	4.3
90°-100°	174.7	2.8
100°-110°	156.7	2.5
110°-120°	129.7	2.1
120°-130°	99.9	1.6
130°-140°	70.2	1.1
140°-150°	42.3	0.7
150°-160°	20.3	0.3
160°-170°	6.6	0.1
170°-180°	0.8	0.0
0°-30°	1379.3	22.0
0°-40°	2266.8	36.2
0°-60°	4082.2	65.1
0°-90°	5568.8	88.8
90°-120°	461.1	7.4
90°-150°	673.5	10.7
90°-180°	701.0	11.2
0°-180°	6270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1761	1761	1761	1761	1761	
5°	1768	1765	1747	1761	1758	168
15°	1692	1700	1696	1718	1718	477
25°	1547	1565	1583	1616	1616	713
35°	1347	1380	1420	1460	1471	842
45°	1108	1158	1224	1278	1293	854
55°	842	912	995	1057	1078	754
65°	570	646	744	813	835	565
75°	298	378	487	563	588	313
85°	65	156	265	338	363	76
90°	0	87	185	254	280	4
95°	0	84	178	243	269	0
105°	0	69	167	229	251	2
115°	4	62	142	203	229	4
125°	4	51	120	174	196	3
135°	4	40	98	142	160	3
145°	4	29	69	109	120	2
155°	4	18	44	69	80	2
165°	4	11	22	33	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P566734

CATALOG NUMBER: 4SNX-67SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1761.3	1761.3	1761.3	1761.3	1761.3
2.5°	1772.2	1768.5	1750.4	1764.9	1757.6
5°	1768.5	1764.9	1746.7	1761.3	1757.6
7.5°	1754.0	1754.0	1743.1	1757.6	1754.0
10°	1739.5	1739.5	1728.6	1746.7	1743.1
12.5°	1717.7	1721.3	1714.0	1735.8	1732.2
15°	1692.3	1699.5	1695.9	1717.7	1717.7
17.5°	1663.2	1670.5	1670.5	1695.9	1695.9
20°	1626.9	1637.8	1645.1	1674.1	1674.1
22.5°	1590.6	1605.1	1616.0	1641.4	1652.3
25°	1547.0	1565.2	1583.3	1616.0	1616.0
27.5°	1503.4	1525.2	1547.0	1579.7	1583.3
30°	1452.6	1478.0	1507.1	1539.7	1547.0
32.5°	1401.7	1434.4	1463.5	1503.4	1514.3
35°	1347.3	1380.0	1419.9	1459.8	1470.7
37.5°	1285.5	1325.5	1376.3	1419.9	1430.8
40°	1231.1	1274.6	1325.5	1376.3	1387.2
42.5°	1169.3	1216.5	1278.3	1325.5	1343.6
45°	1107.6	1158.4	1223.8	1278.3	1292.8
47.5°	1042.2	1100.3	1173.0	1223.8	1242.0
50°	976.9	1038.6	1114.9	1173.0	1187.5
52.5°	911.5	976.9	1056.8	1114.9	1133.0
55°	842.5	911.5	995.0	1056.8	1078.5
57.5°	777.1	846.1	933.3	998.7	1020.4
60°	704.5	784.4	871.6	936.9	962.3
62.5°	642.8	715.4	809.8	875.2	897.0
65°	570.1	646.4	744.4	813.4	835.2
67.5°	501.1	581.0	679.1	751.7	773.5
70°	432.1	512.0	617.3	686.3	711.8
72.5°	363.1	446.7	548.4	624.6	650.0
75°	297.8	377.7	486.6	562.9	588.3
77.5°	228.8	315.9	424.9	501.1	530.2
80°	167.0	257.8	366.8	443.0	472.1
82.5°	112.6	203.4	312.3	388.6	417.6
85°	65.4	156.2	265.1	337.7	363.1
87.5°	32.7	119.8	221.5	294.1	319.6
90°	0.0	87.2	185.2	254.2	279.6
92.5°	0.0	83.5	181.6	246.9	272.4
95°	0.0	83.5	177.9	243.3	268.7
97.5°	0.0	79.9	174.3	243.3	265.1
100°	0.0	76.3	174.3	239.7	261.5
102.5°	0.0	72.6	170.7	236.0	257.8
105°	0.0	69.0	167.0	228.8	250.6
107.5°	3.6	69.0	159.8	225.2	246.9
110°	3.6	65.4	152.5	221.5	243.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.7	145.3	214.3	236.0
115°	3.6	61.7	141.6	203.4	228.8
117.5°	3.6	58.1	134.4	196.1	221.5
120°	3.6	58.1	130.7	188.8	210.6
122.5°	3.6	54.5	123.5	181.6	203.4
125°	3.6	50.8	119.8	174.3	196.1
127.5°	3.6	47.2	116.2	167.0	188.8
130°	3.6	43.6	108.9	159.8	177.9
132.5°	3.6	43.6	105.3	148.9	170.7
135°	3.6	39.9	98.0	141.6	159.8
137.5°	3.6	36.3	90.8	134.4	152.5
140°	3.6	32.7	83.5	127.1	141.6
142.5°	3.6	32.7	76.3	116.2	130.7
145°	3.6	29.1	69.0	108.9	119.8
147.5°	3.6	25.4	61.7	98.0	108.9
150°	3.6	25.4	54.5	87.2	98.0
152.5°	3.6	21.8	47.2	79.9	90.8
155°	3.6	18.2	43.6	69.0	79.9
157.5°	3.6	18.2	36.3	58.1	69.0
160°	3.6	14.5	32.7	47.2	58.1
162.5°	3.6	14.5	29.1	39.9	50.8
165°	3.6	10.9	21.8	32.7	39.9
167.5°	3.6	10.9	18.2	25.4	32.7
170°	3.6	7.3	14.5	18.2	25.4
172.5°	3.6	7.3	10.9	10.9	10.9
175°	3.6	3.6	7.3	7.3	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)