

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: P566735

Luminaire Tested: **4SNX-67SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566735
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-L835-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

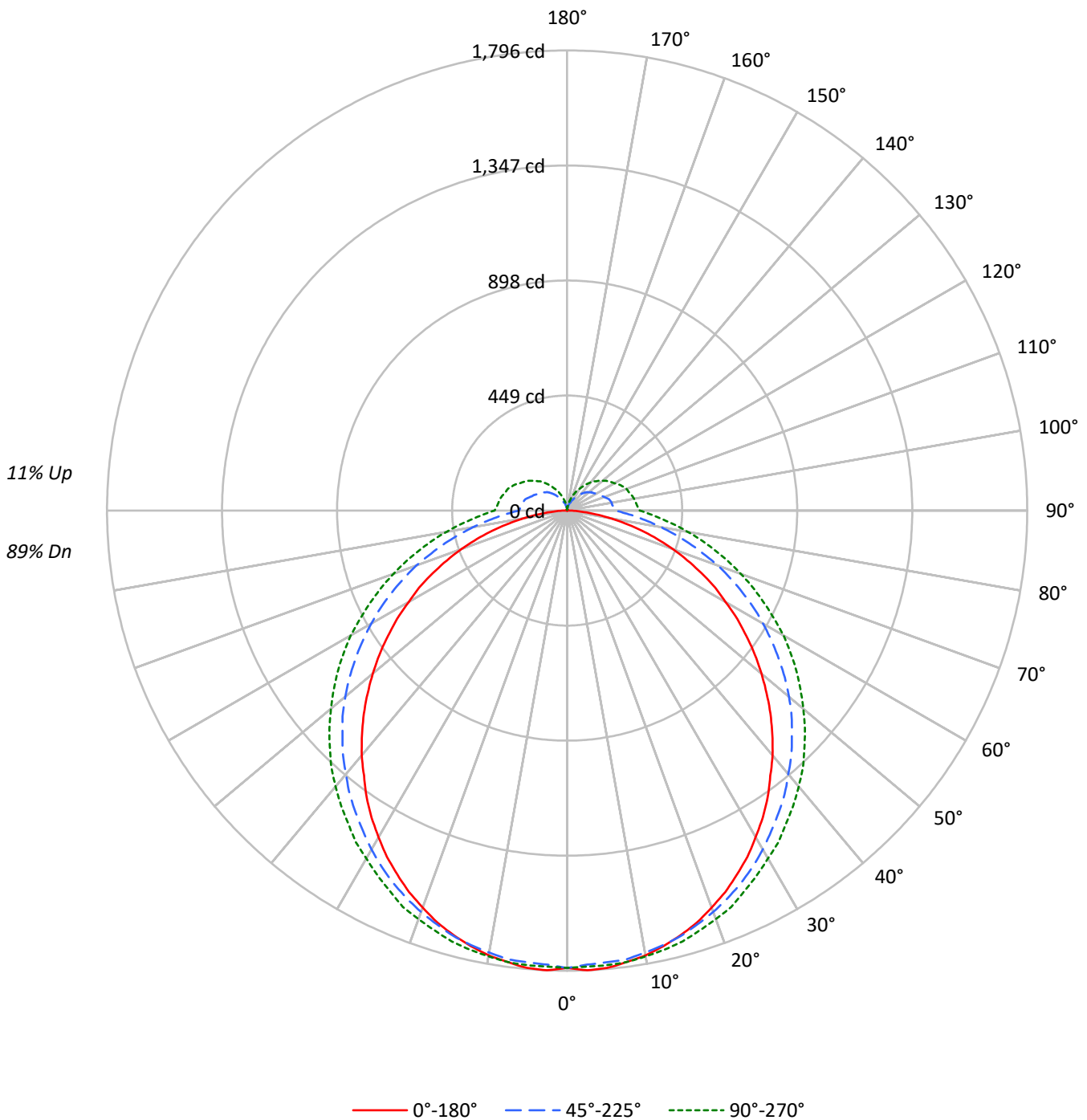
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6354.0 lumens
Efficiency: N/A
Efficacy: 132.7 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	76	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°	19213	19213	19213
5°	19294	18323	18185
10°	19127	17592	17277
15°	18899	16885	16458
20°	18603	16152	15638
25°	18264	15448	14837
30°	17866	14724	14070
35°	17432	13998	13352
40°	16938	13289	12667
45°	16402	12579	11966
50°	15792	11847	11230
55°	15123	11032	10507
60°	14334	10181	9743
65°	13509	9264	8872
70°	12366	8286	8017
75°	10862	7147	7109
80°	8488	5999	6203
85°	5538	4933	5272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	2.7
10°-20°	487.3	7.7
20°-30°	740.9	11.7
30°-40°	899.4	14.2
40°-50°	950.4	15.0
50°-60°	889.4	14.0
60°-70°	729.7	11.5
70°-80°	501.9	7.9
80°-90°	274.9	4.3
90°-100°	177.0	2.8
100°-110°	158.8	2.5
110°-120°	131.5	2.1
120°-130°	101.2	1.6
130°-140°	71.1	1.1
140°-150°	42.9	0.7
150°-160°	20.5	0.3
160°-170°	6.7	0.1
170°-180°	0.8	0.0
0°-30°	1397.7	22.0
0°-40°	2297.1	36.2
0°-60°	4136.9	65.1
0°-90°	5643.4	88.8
90°-120°	467.3	7.4
90°-150°	682.5	10.7
90°-180°	711.0	11.2
0°-180°	6354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1785	1785	1785	1785	1785	
5°	1792	1788	1770	1785	1781	170
15°	1715	1722	1719	1741	1741	484
25°	1568	1586	1604	1638	1638	722
35°	1365	1398	1439	1479	1490	853
45°	1122	1174	1240	1295	1310	865
55°	854	924	1008	1071	1093	764
65°	578	655	754	824	846	572
75°	302	383	493	570	596	318
85°	66	158	269	342	368	77
90°	0	88	188	258	283	5
95°	0	85	180	247	272	0
105°	0	70	169	232	254	2
115°	4	63	144	206	232	4
125°	4	52	121	177	199	3
135°	4	40	99	144	162	3
145°	4	29	70	110	121	2
155°	4	18	44	70	81	2
165°	4	11	22	33	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1784.9	1784.9	1784.9	1784.9	1784.9
2.5°	1795.9	1792.2	1773.8	1788.5	1781.2
5°	1792.2	1788.5	1770.1	1784.9	1781.2
7.5°	1777.5	1777.5	1766.5	1781.2	1777.5
10°	1762.8	1762.8	1751.7	1770.1	1766.5
12.5°	1740.7	1744.4	1737.0	1759.1	1755.4
15°	1714.9	1722.3	1718.6	1740.7	1740.7
17.5°	1685.5	1692.9	1692.9	1718.6	1718.6
20°	1648.7	1659.7	1667.1	1696.5	1696.5
22.5°	1611.9	1626.6	1637.6	1663.4	1674.5
25°	1567.7	1586.1	1604.5	1637.6	1637.6
27.5°	1523.6	1545.6	1567.7	1600.8	1604.5
30°	1472.0	1497.8	1527.2	1560.4	1567.7
32.5°	1420.5	1453.6	1483.1	1523.6	1534.6
35°	1365.3	1398.4	1438.9	1479.4	1490.4
37.5°	1302.8	1343.2	1394.8	1438.9	1450.0
40°	1247.6	1291.7	1343.2	1394.8	1405.8
42.5°	1185.0	1232.8	1295.4	1343.2	1361.6
45°	1122.4	1174.0	1240.2	1295.4	1310.1
47.5°	1056.2	1115.1	1188.7	1240.2	1258.6
50°	989.9	1052.5	1129.8	1188.7	1203.4
52.5°	923.7	989.9	1070.9	1129.8	1148.2
55°	853.8	923.7	1008.4	1070.9	1093.0
57.5°	787.5	857.5	945.8	1012.0	1034.1
60°	713.9	794.9	883.2	949.5	975.2
62.5°	651.4	725.0	820.7	886.9	909.0
65°	577.8	655.1	754.4	824.3	846.4
67.5°	507.9	588.8	688.2	761.8	783.9
70°	437.9	518.9	625.6	695.5	721.3
72.5°	368.0	452.7	555.7	633.0	658.7
75°	301.8	382.7	493.1	570.4	596.2
77.5°	231.8	320.2	430.6	507.9	537.3
80°	169.3	261.3	371.7	449.0	478.4
82.5°	114.1	206.1	316.5	393.8	423.2
85°	66.2	158.2	268.6	342.3	368.0
87.5°	33.1	121.4	224.5	298.1	323.8
90°	0.0	88.3	187.7	257.6	283.4
92.5°	0.0	84.6	184.0	250.2	276.0
95°	0.0	84.6	180.3	246.6	272.3
97.5°	0.0	81.0	176.6	246.6	268.6
100°	0.0	77.3	176.6	242.9	265.0
102.5°	0.0	73.6	173.0	239.2	261.3
105°	0.0	69.9	169.3	231.8	253.9
107.5°	3.7	69.9	161.9	228.2	250.2
110°	3.7	66.2	154.6	224.5	246.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	62.6	147.2	217.1	239.2
115°	3.7	62.6	143.5	206.1	231.8
117.5°	3.7	58.9	136.2	198.7	224.5
120°	3.7	58.9	132.5	191.4	213.4
122.5°	3.7	55.2	125.1	184.0	206.1
125°	3.7	51.5	121.4	176.6	198.7
127.5°	3.7	47.8	117.8	169.3	191.4
130°	3.7	44.2	110.4	161.9	180.3
132.5°	3.7	44.2	106.7	150.9	173.0
135°	3.7	40.5	99.4	143.5	161.9
137.5°	3.7	36.8	92.0	136.2	154.6
140°	3.7	33.1	84.6	128.8	143.5
142.5°	3.7	33.1	77.3	117.8	132.5
145°	3.7	29.4	69.9	110.4	121.4
147.5°	3.7	25.8	62.6	99.4	110.4
150°	3.7	25.8	55.2	88.3	99.4
152.5°	3.7	22.1	47.8	81.0	92.0
155°	3.7	18.4	44.2	69.9	81.0
157.5°	3.7	18.4	36.8	58.9	69.9
160°	3.7	14.7	33.1	47.8	58.9
162.5°	3.7	14.7	29.4	40.5	51.5
165°	3.7	11.0	22.1	33.1	40.5
167.5°	3.7	11.0	18.4	25.8	33.1
170°	3.7	7.4	14.7	18.4	25.8
172.5°	3.7	7.4	11.0	11.0	11.0
175°	3.7	3.7	7.4	7.4	3.7
177.5°	3.7	3.7	3.7	3.7	3.7
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)