

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: P566741

Luminaire Tested: **4SNX-67SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566741
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-L950-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

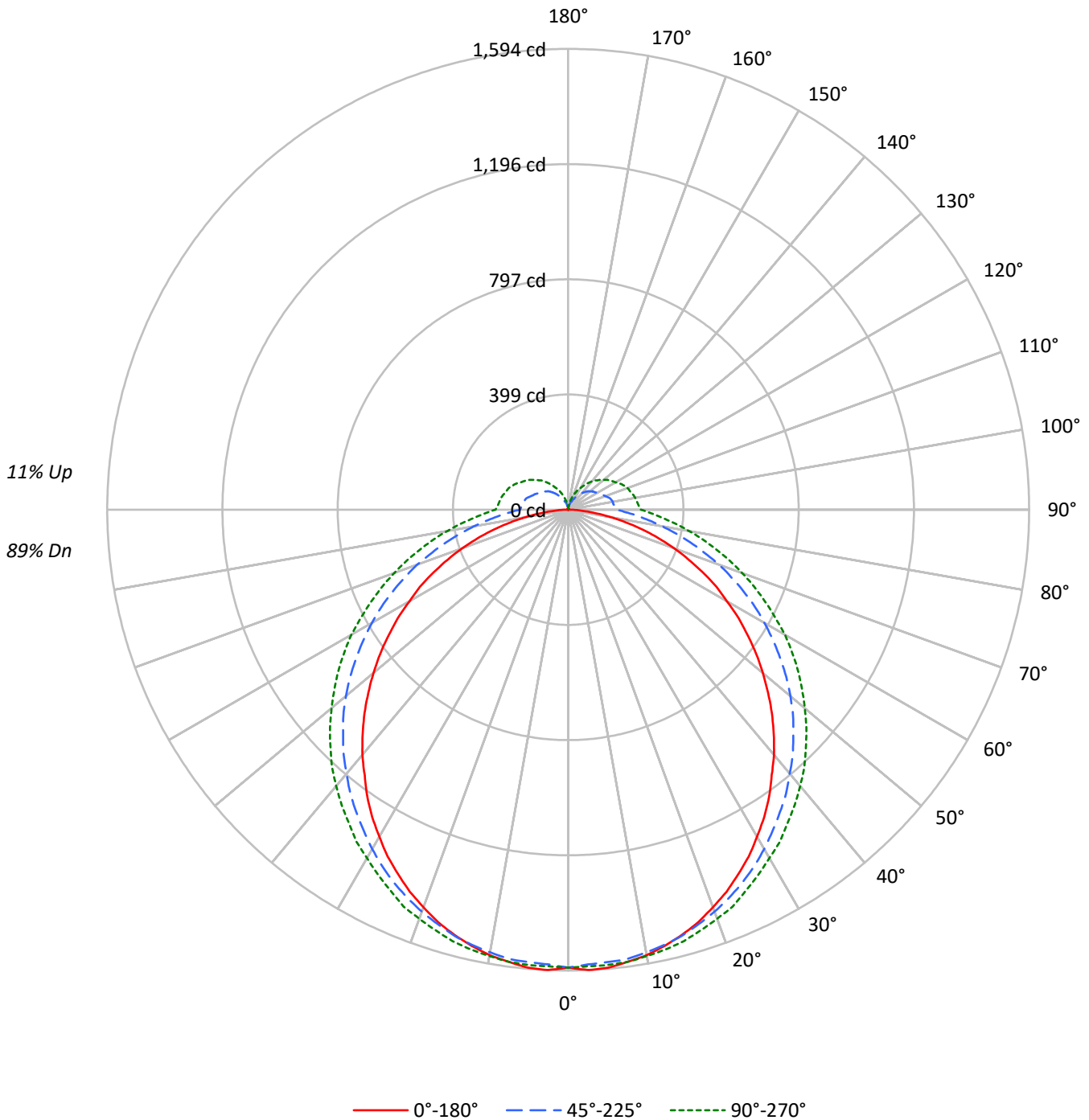
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.1 lumens
Efficiency: N/A
Efficacy: 117.7 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°	17050	17050	17050
5°	17123	16261	16138
10°	16974	15613	15333
15°	16773	14985	14606
20°	16510	14334	13879
25°	16209	13710	13168
30°	15856	13068	12486
35°	15471	12423	11849
40°	15032	11794	11242
45°	14557	11163	10619
50°	14017	10515	9966
55°	13421	9791	9325
60°	12722	9035	8647
65°	11989	8221	7875
70°	10976	7354	7114
75°	9639	6343	6308
80°	7531	5325	5505
85°	4919	4378	4679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	2.7
10°-20°	432.4	7.7
20°-30°	657.6	11.7
30°-40°	798.2	14.2
40°-50°	843.5	15.0
50°-60°	789.3	14.0
60°-70°	647.6	11.5
70°-80°	445.4	7.9
80°-90°	243.9	4.3
90°-100°	157.1	2.8
100°-110°	141.0	2.5
110°-120°	116.7	2.1
120°-130°	89.8	1.6
130°-140°	63.1	1.1
140°-150°	38.0	0.7
150°-160°	18.2	0.3
160°-170°	6.0	0.1
170°-180°	0.7	0.0
0°-30°	1240.5	22.0
0°-40°	2038.7	36.2
0°-60°	3671.4	65.1
0°-90°	5008.4	88.8
90°-120°	414.7	7.4
90°-150°	605.7	10.7
90°-180°	631.0	11.2
0°-180°	5639.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1584	1584	1584	1584	1584	
5°	1590	1587	1571	1584	1581	151
15°	1522	1528	1525	1545	1545	429
25°	1391	1408	1424	1453	1453	641
35°	1212	1241	1277	1313	1323	757
45°	996	1042	1101	1150	1163	768
55°	758	820	895	950	970	678
65°	513	581	670	732	751	508
75°	268	340	438	506	529	282
85°	59	140	238	304	327	68
90°	0	78	167	229	252	4
95°	0	75	160	219	242	0
105°	0	62	150	206	225	2
115°	3	56	127	183	206	3
125°	3	46	108	157	176	3
135°	3	36	88	127	144	3
145°	3	26	62	98	108	2
155°	3	16	39	62	72	2
165°	3	10	20	29	36	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1584.0	1584.0	1584.0	1584.0	1584.0
2.5°	1593.8	1590.5	1574.2	1587.3	1580.7
5°	1590.5	1587.3	1570.9	1584.0	1580.7
7.5°	1577.5	1577.5	1567.7	1580.7	1577.5
10°	1564.4	1564.4	1554.6	1570.9	1567.7
12.5°	1544.8	1548.1	1541.6	1561.1	1557.9
15°	1522.0	1528.5	1525.2	1544.8	1544.8
17.5°	1495.8	1502.4	1502.4	1525.2	1525.2
20°	1463.2	1473.0	1479.5	1505.6	1505.6
22.5°	1430.5	1443.6	1453.4	1476.2	1486.0
25°	1391.3	1407.6	1424.0	1453.4	1453.4
27.5°	1352.1	1371.7	1391.3	1420.7	1424.0
30°	1306.4	1329.3	1355.4	1384.8	1391.3
32.5°	1260.7	1290.1	1316.2	1352.1	1361.9
35°	1211.7	1241.1	1277.0	1312.9	1322.7
37.5°	1156.2	1192.1	1237.8	1277.0	1286.8
40°	1107.2	1146.4	1192.1	1237.8	1247.6
42.5°	1051.7	1094.1	1149.6	1192.1	1208.4
45°	996.1	1041.9	1100.6	1149.6	1162.7
47.5°	937.3	989.6	1054.9	1100.6	1117.0
50°	878.6	934.1	1002.7	1054.9	1068.0
52.5°	819.8	878.6	950.4	1002.7	1019.0
55°	757.7	819.8	894.9	950.4	970.0
57.5°	698.9	761.0	839.4	898.1	917.7
60°	633.6	705.5	783.8	842.6	865.5
62.5°	578.1	643.4	728.3	787.1	806.7
65°	512.8	581.3	669.5	731.6	751.2
67.5°	450.7	522.6	610.7	676.1	695.7
70°	388.7	460.5	555.2	617.3	640.1
72.5°	326.6	401.7	493.2	561.8	584.6
75°	267.8	339.7	437.6	506.2	529.1
77.5°	205.8	284.1	382.1	450.7	476.8
80°	150.2	231.9	329.9	398.5	424.6
82.5°	101.2	182.9	280.9	349.5	375.6
85°	58.8	140.4	238.4	303.7	326.6
87.5°	29.4	107.8	199.2	264.5	287.4
90°	0.0	78.4	166.6	228.6	251.5
92.5°	0.0	75.1	163.3	222.1	244.9
95°	0.0	75.1	160.0	218.8	241.7
97.5°	0.0	71.9	156.8	218.8	238.4
100°	0.0	68.6	156.8	215.6	235.2
102.5°	0.0	65.3	153.5	212.3	231.9
105°	0.0	62.1	150.2	205.8	225.4
107.5°	3.3	62.1	143.7	202.5	222.1
110°	3.3	58.8	137.2	199.2	218.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	55.5	130.6	192.7	212.3
115°	3.3	55.5	127.4	182.9	205.8
117.5°	3.3	52.3	120.8	176.4	199.2
120°	3.3	52.3	117.6	169.8	189.4
122.5°	3.3	49.0	111.0	163.3	182.9
125°	3.3	45.7	107.8	156.8	176.4
127.5°	3.3	42.5	104.5	150.2	169.8
130°	3.3	39.2	98.0	143.7	160.0
132.5°	3.3	39.2	94.7	133.9	153.5
135°	3.3	35.9	88.2	127.4	143.7
137.5°	3.3	32.7	81.6	120.8	137.2
140°	3.3	29.4	75.1	114.3	127.4
142.5°	3.3	29.4	68.6	104.5	117.6
145°	3.3	26.1	62.1	98.0	107.8
147.5°	3.3	22.9	55.5	88.2	98.0
150°	3.3	22.9	49.0	78.4	88.2
152.5°	3.3	19.6	42.5	71.9	81.6
155°	3.3	16.3	39.2	62.1	71.9
157.5°	3.3	16.3	32.7	52.3	62.1
160°	3.3	13.1	29.4	42.5	52.3
162.5°	3.3	13.1	26.1	35.9	45.7
165°	3.3	9.8	19.6	29.4	35.9
167.5°	3.3	9.8	16.3	22.9	29.4
170°	3.3	6.5	13.1	16.3	22.9
172.5°	3.3	6.5	9.8	9.8	9.8
175°	3.3	3.3	6.5	6.5	3.3
177.5°	3.3	3.3	3.3	3.3	3.3
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)