

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: P566739

Luminaire Tested: **4SNX-67SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566739
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-L935-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

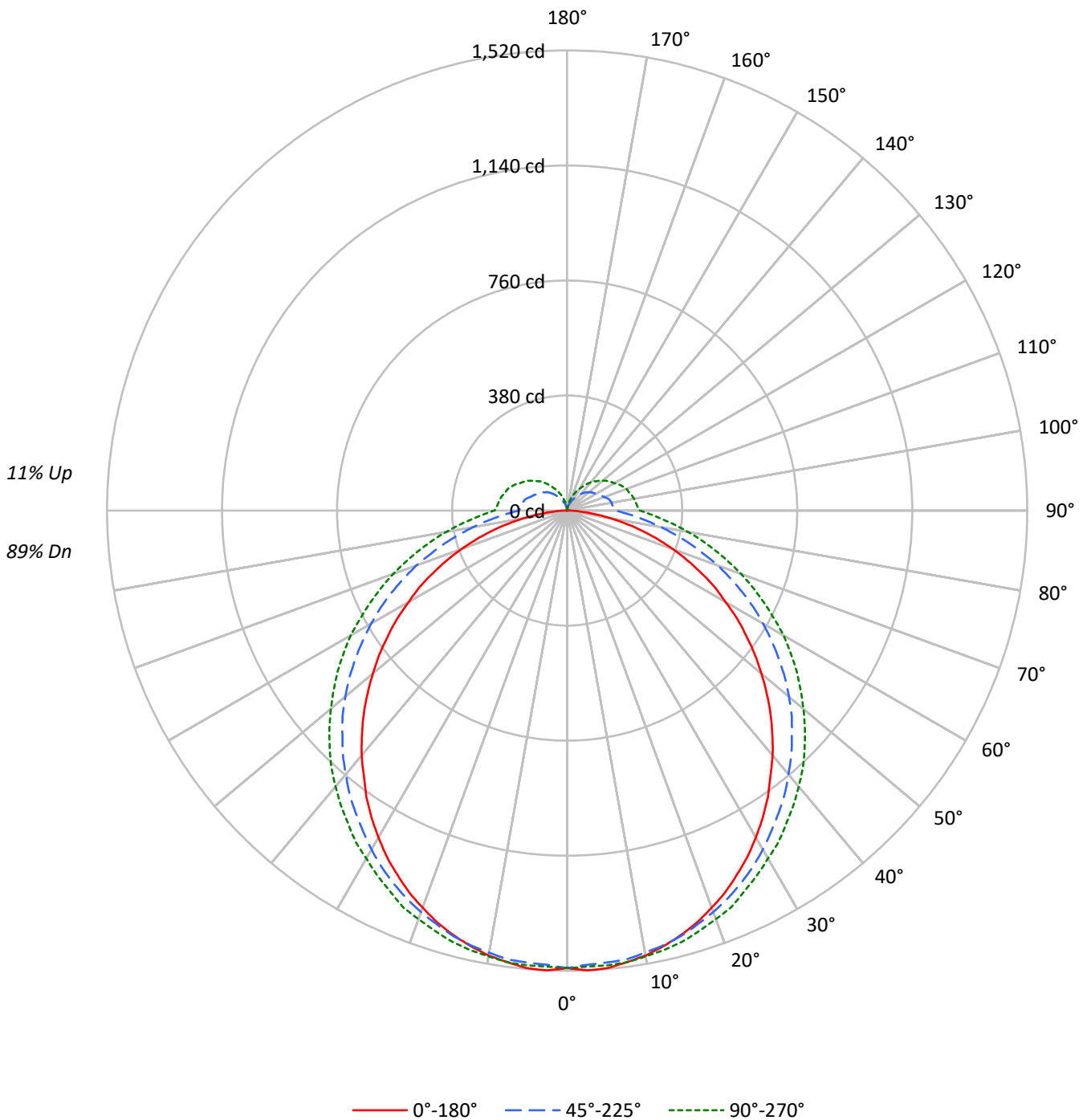
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5379.0 lumens
Efficiency: N/A
Efficacy: 112.3 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°	16264	16264	16264
5°	16334	15512	15395
10°	16192	14893	14625
15°	16000	14294	13932
20°	15749	13673	13239
25°	15462	13078	12561
30°	15125	12465	11911
35°	14757	11850	11303
40°	14338	11250	10724
45°	13886	10648	10130
50°	13369	10029	9506
55°	12802	9339	8895
60°	12136	8619	8249
65°	11435	7843	7511
70°	10468	7014	6786
75°	9196	6051	6018
80°	7185	5079	5251
85°	4693	4176	4463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	2.7
10°-20°	412.5	7.7
20°-30°	627.2	11.7
30°-40°	761.4	14.2
40°-50°	804.6	15.0
50°-60°	752.9	14.0
60°-70°	617.7	11.5
70°-80°	424.9	7.9
80°-90°	232.7	4.3
90°-100°	149.8	2.8
100°-110°	134.5	2.5
110°-120°	111.3	2.1
120°-130°	85.7	1.6
130°-140°	60.2	1.1
140°-150°	36.3	0.7
150°-160°	17.4	0.3
160°-170°	5.7	0.1
170°-180°	0.7	0.0
0°-30°	1183.3	22.0
0°-40°	1944.7	36.2
0°-60°	3502.1	65.1
0°-90°	4777.5	88.8
90°-120°	395.6	7.4
90°-150°	577.8	10.7
90°-180°	602.0	11.2
0°-180°	5379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1511	1511	1511	1511	1511	
5°	1517	1514	1498	1511	1508	144
15°	1452	1458	1455	1474	1474	409
25°	1327	1343	1358	1386	1386	612
35°	1156	1184	1218	1252	1262	722
45°	950	994	1050	1097	1109	732
55°	723	782	854	907	925	647
65°	489	554	639	698	716	484
75°	256	324	418	483	505	269
85°	56	134	227	290	312	65
90°	0	75	159	218	240	4
95°	0	72	153	209	230	0
105°	0	59	143	196	215	2
115°	3	53	122	174	196	3
125°	3	44	103	150	168	3
135°	3	34	84	122	137	2
145°	3	25	59	94	103	2
155°	3	16	37	59	68	1
165°	3	9	19	28	34	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°	1511.0	1511.0	1511.0	1511.0	1511.0
2.5°	1520.3	1517.2	1501.6	1514.1	1507.9
5°	1517.2	1514.1	1498.5	1511.0	1507.9
7.5°	1504.7	1504.7	1495.4	1507.9	1504.7
10°	1492.3	1492.3	1482.9	1498.5	1495.4
12.5°	1473.6	1476.7	1470.5	1489.2	1486.1
15°	1451.8	1458.0	1454.9	1473.6	1473.6
17.5°	1426.9	1433.1	1433.1	1454.9	1454.9
20°	1395.7	1405.0	1411.3	1436.2	1436.2
22.5°	1364.5	1377.0	1386.4	1408.2	1417.5
25°	1327.2	1342.7	1358.3	1386.4	1386.4
27.5°	1289.8	1308.5	1327.2	1355.2	1358.3
30°	1246.2	1268.0	1292.9	1320.9	1327.2
32.5°	1202.5	1230.6	1255.5	1289.8	1299.1
35°	1155.8	1183.9	1218.1	1252.4	1261.7
37.5°	1102.9	1137.1	1180.7	1218.1	1227.5
40°	1056.1	1093.5	1137.1	1180.7	1190.1
42.5°	1003.2	1043.7	1096.6	1137.1	1152.7
45°	950.2	993.8	1049.9	1096.6	1109.1
47.5°	894.1	944.0	1006.3	1049.9	1065.5
50°	838.0	891.0	956.4	1006.3	1018.7
52.5°	782.0	838.0	906.6	956.4	972.0
55°	722.8	782.0	853.6	906.6	925.3
57.5°	666.7	725.9	800.7	856.7	875.4
60°	604.4	672.9	747.7	803.8	825.6
62.5°	551.4	613.7	694.7	750.8	769.5
65°	489.1	554.5	638.7	697.9	716.5
67.5°	429.9	498.5	582.6	644.9	663.6
70°	370.7	439.3	529.6	588.8	610.6
72.5°	311.5	383.2	470.4	535.9	557.7
75°	255.5	324.0	417.5	482.9	504.7
77.5°	196.3	271.0	364.5	429.9	454.8
80°	143.3	221.2	314.7	380.1	405.0
82.5°	96.6	174.5	267.9	333.3	358.3
85°	56.1	134.0	227.4	289.7	311.5
87.5°	28.0	102.8	190.0	252.3	274.2
90°	0.0	74.8	158.9	218.1	239.9
92.5°	0.0	71.7	155.8	211.8	233.7
95°	0.0	71.7	152.7	208.7	230.5
97.5°	0.0	68.5	149.5	208.7	227.4
100°	0.0	65.4	149.5	205.6	224.3
102.5°	0.0	62.3	146.4	202.5	221.2
105°	0.0	59.2	143.3	196.3	215.0
107.5°	3.1	59.2	137.1	193.2	211.8
110°	3.1	56.1	130.8	190.0	208.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	53.0	124.6	183.8	202.5
115°	3.1	53.0	121.5	174.5	196.3
117.5°	3.1	49.8	115.3	168.2	190.0
120°	3.1	49.8	112.2	162.0	180.7
122.5°	3.1	46.7	105.9	155.8	174.5
125°	3.1	43.6	102.8	149.5	168.2
127.5°	3.1	40.5	99.7	143.3	162.0
130°	3.1	37.4	93.5	137.1	152.7
132.5°	3.1	37.4	90.3	127.7	146.4
135°	3.1	34.3	84.1	121.5	137.1
137.5°	3.1	31.2	77.9	115.3	130.8
140°	3.1	28.0	71.7	109.0	121.5
142.5°	3.1	28.0	65.4	99.7	112.2
145°	3.1	24.9	59.2	93.5	102.8
147.5°	3.1	21.8	53.0	84.1	93.5
150°	3.1	21.8	46.7	74.8	84.1
152.5°	3.1	18.7	40.5	68.5	77.9
155°	3.1	15.6	37.4	59.2	68.5
157.5°	3.1	15.6	31.2	49.8	59.2
160°	3.1	12.5	28.0	40.5	49.8
162.5°	3.1	12.5	24.9	34.3	43.6
165°	3.1	9.3	18.7	28.0	34.3
167.5°	3.1	9.3	15.6	21.8	28.0
170°	3.1	6.2	12.5	15.6	21.8
172.5°	3.1	6.2	9.3	9.3	9.3
175°	3.1	3.1	6.2	6.2	3.1
177.5°	3.1	3.1	3.1	3.1	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)