

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: P566595

Luminaire Tested: **4SNX-57SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

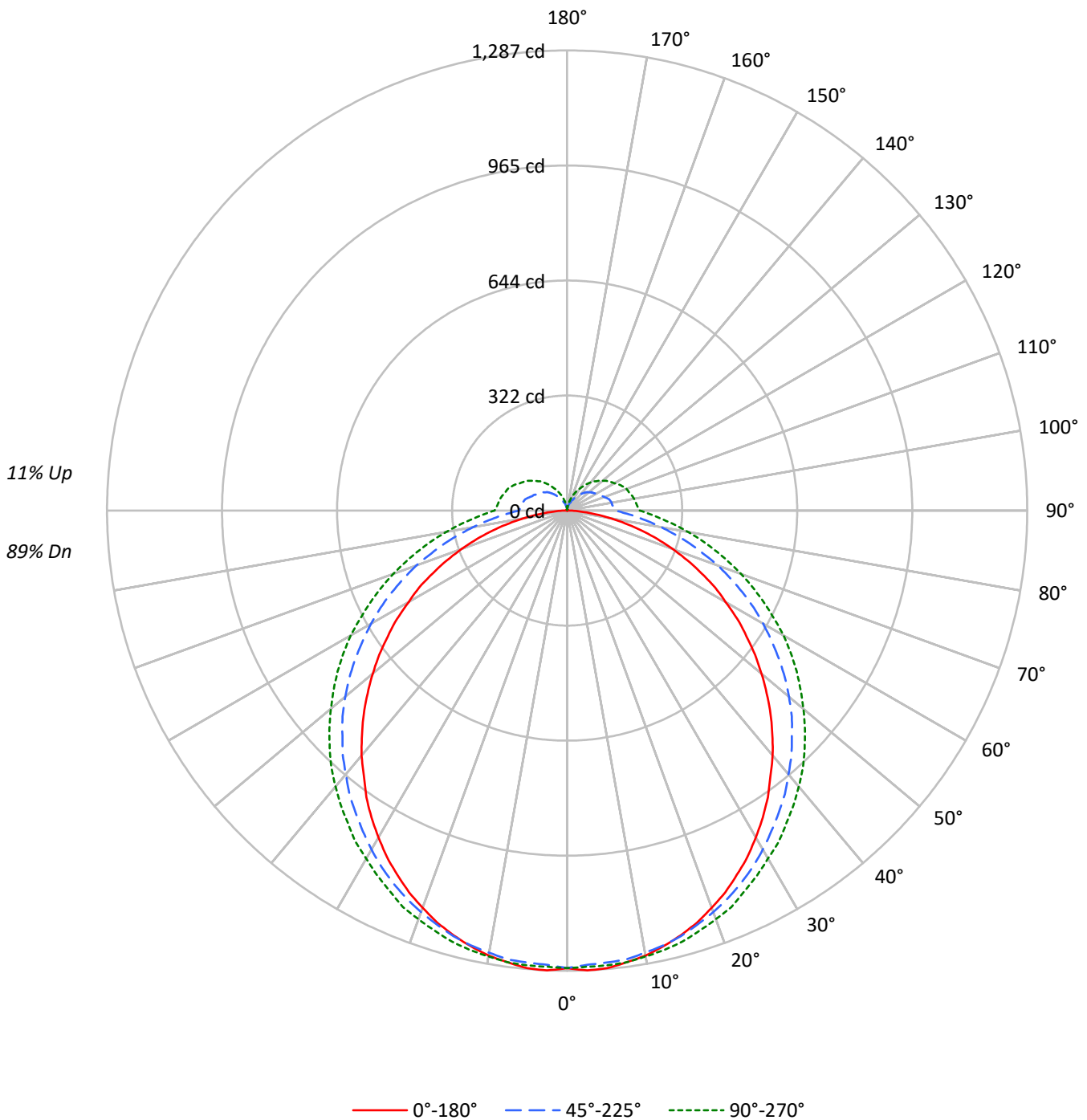
Test Method: LM-79-08  
Report Number: P566595  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-57SL-LW-UNV-L935-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4555.0 lumens  
Efficiency: N/A  
Efficacy: 114.7 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): 39.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: 4SNX-57SL-LW-UNV-L935-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	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°	13772	13772	13772
5°	13832	13136	13037
10°	13711	12612	12385
15°	13549	12104	11798
20°	13336	11579	11211
25°	13094	11074	10637
30°	12808	10555	10087
35°	12497	10035	9572
40°	12142	9526	9081
45°	11758	9018	8578
50°	11322	8493	8050
55°	10842	7909	7532
60°	10276	7299	6985
65°	9684	6641	6361
70°	8864	5940	5747
75°	7785	5124	5096
80°	6087	4301	4447
85°	3974	3537	3779



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	2.7
10°-20°	349.3	7.7
20°-30°	531.2	11.7
30°-40°	644.8	14.2
40°-50°	681.3	15.0
50°-60°	637.6	14.0
60°-70°	523.1	11.5
70°-80°	359.8	7.9
80°-90°	197.0	4.3
90°-100°	126.9	2.8
100°-110°	113.9	2.5
110°-120°	94.2	2.1
120°-130°	72.6	1.6
130°-140°	51.0	1.1
140°-150°	30.7	0.7
150°-160°	14.7	0.3
160°-170°	4.8	0.1
170°-180°	0.6	0.0
0°-30°	1002.0	22.0
0°-40°	1646.8	36.2
0°-60°	2965.7	65.1
0°-90°	4045.6	88.8
90°-120°	335.0	7.4
90°-150°	489.3	10.7
90°-180°	509.0	11.2
0°-180°	4555.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1285	1282	1269	1280	1277	122
15°	1229	1235	1232	1248	1248	347
25°	1124	1137	1150	1174	1174	518
35°	979	1002	1032	1060	1068	611
45°	805	842	889	929	939	620
55°	612	662	723	768	784	548
65°	414	470	541	591	607	410
75°	216	274	354	409	427	228
85°	48	113	193	245	264	55
90°	0	63	134	185	203	3
95°	0	61	129	177	195	0
105°	0	50	121	166	182	2
115°	3	45	103	148	166	3
125°	3	37	87	127	142	2
135°	3	29	71	103	116	2
145°	3	21	50	79	87	2
155°	3	13	32	50	58	1
165°	3	8	16	24	29	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1279.5	1279.5	1279.5	1279.5	1279.5
2.5°	1287.4	1284.8	1271.6	1282.1	1276.9
5°	1284.8	1282.1	1269.0	1279.5	1276.9
7.5°	1274.2	1274.2	1266.3	1276.9	1274.2
10°	1263.7	1263.7	1255.8	1269.0	1266.3
12.5°	1247.9	1250.5	1245.2	1261.0	1258.4
15°	1229.4	1234.7	1232.0	1247.9	1247.9
17.5°	1208.3	1213.6	1213.6	1232.0	1232.0
20°	1181.9	1189.8	1195.1	1216.2	1216.2
22.5°	1155.5	1166.1	1174.0	1192.5	1200.4
25°	1123.9	1137.0	1150.2	1174.0	1174.0
27.5°	1092.2	1108.0	1123.9	1147.6	1150.2
30°	1055.3	1073.7	1094.8	1118.6	1123.9
32.5°	1018.3	1042.1	1063.2	1092.2	1100.1
35°	978.8	1002.5	1031.5	1060.5	1068.5
37.5°	933.9	962.9	999.9	1031.5	1039.4
40°	894.3	926.0	962.9	999.9	1007.8
42.5°	849.5	883.8	928.6	962.9	976.1
45°	804.6	841.6	889.1	928.6	939.2
47.5°	757.2	799.4	852.1	889.1	902.3
50°	709.7	754.5	809.9	852.1	862.7
52.5°	662.2	709.7	767.7	809.9	823.1
55°	612.1	662.2	722.9	767.7	783.5
57.5°	564.6	614.7	678.0	725.5	741.3
60°	511.8	569.8	633.2	680.6	699.1
62.5°	467.0	519.7	588.3	635.8	651.6
65°	414.2	469.6	540.8	590.9	606.8
67.5°	364.1	422.1	493.3	546.1	561.9
70°	313.9	372.0	448.5	498.6	517.1
72.5°	263.8	324.5	398.4	453.8	472.2
75°	216.3	274.4	353.5	408.9	427.4
77.5°	166.2	229.5	308.7	364.1	385.2
80°	121.4	187.3	266.5	321.9	343.0
82.5°	81.8	147.7	226.9	282.3	303.4
85°	47.5	113.4	192.6	245.3	263.8
87.5°	23.7	87.1	160.9	213.7	232.2
90°	0.0	63.3	134.5	184.7	203.1
92.5°	0.0	60.7	131.9	179.4	197.9
95°	0.0	60.7	129.3	176.8	195.2
97.5°	0.0	58.0	126.6	176.8	192.6
100°	0.0	55.4	126.6	174.1	189.9
102.5°	0.0	52.8	124.0	171.5	187.3
105°	0.0	50.1	121.4	166.2	182.0
107.5°	2.6	50.1	116.1	163.6	179.4
110°	2.6	47.5	110.8	160.9	176.8



TEST NUMBER: P566595

CATALOG NUMBER: 4SNX-57SL-LW-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	44.8	105.5	155.7	171.5
115°	2.6	44.8	102.9	147.7	166.2
117.5°	2.6	42.2	97.6	142.5	160.9
120°	2.6	42.2	95.0	137.2	153.0
122.5°	2.6	39.6	89.7	131.9	147.7
125°	2.6	36.9	87.1	126.6	142.5
127.5°	2.6	34.3	84.4	121.4	137.2
130°	2.6	31.7	79.1	116.1	129.3
132.5°	2.6	31.7	76.5	108.2	124.0
135°	2.6	29.0	71.2	102.9	116.1
137.5°	2.6	26.4	66.0	97.6	110.8
140°	2.6	23.7	60.7	92.3	102.9
142.5°	2.6	23.7	55.4	84.4	95.0
145°	2.6	21.1	50.1	79.1	87.1
147.5°	2.6	18.5	44.8	71.2	79.1
150°	2.6	18.5	39.6	63.3	71.2
152.5°	2.6	15.8	34.3	58.0	66.0
155°	2.6	13.2	31.7	50.1	58.0
157.5°	2.6	13.2	26.4	42.2	50.1
160°	2.6	10.6	23.7	34.3	42.2
162.5°	2.6	10.6	21.1	29.0	36.9
165°	2.6	7.9	15.8	23.7	29.0
167.5°	2.6	7.9	13.2	18.5	23.7
170°	2.6	5.3	10.6	13.2	18.5
172.5°	2.6	5.3	7.9	7.9	7.9
175°	2.6	2.6	5.3	5.3	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)