

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: P566592

Luminaire Tested: **4SNX-57SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566592  
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-L840-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

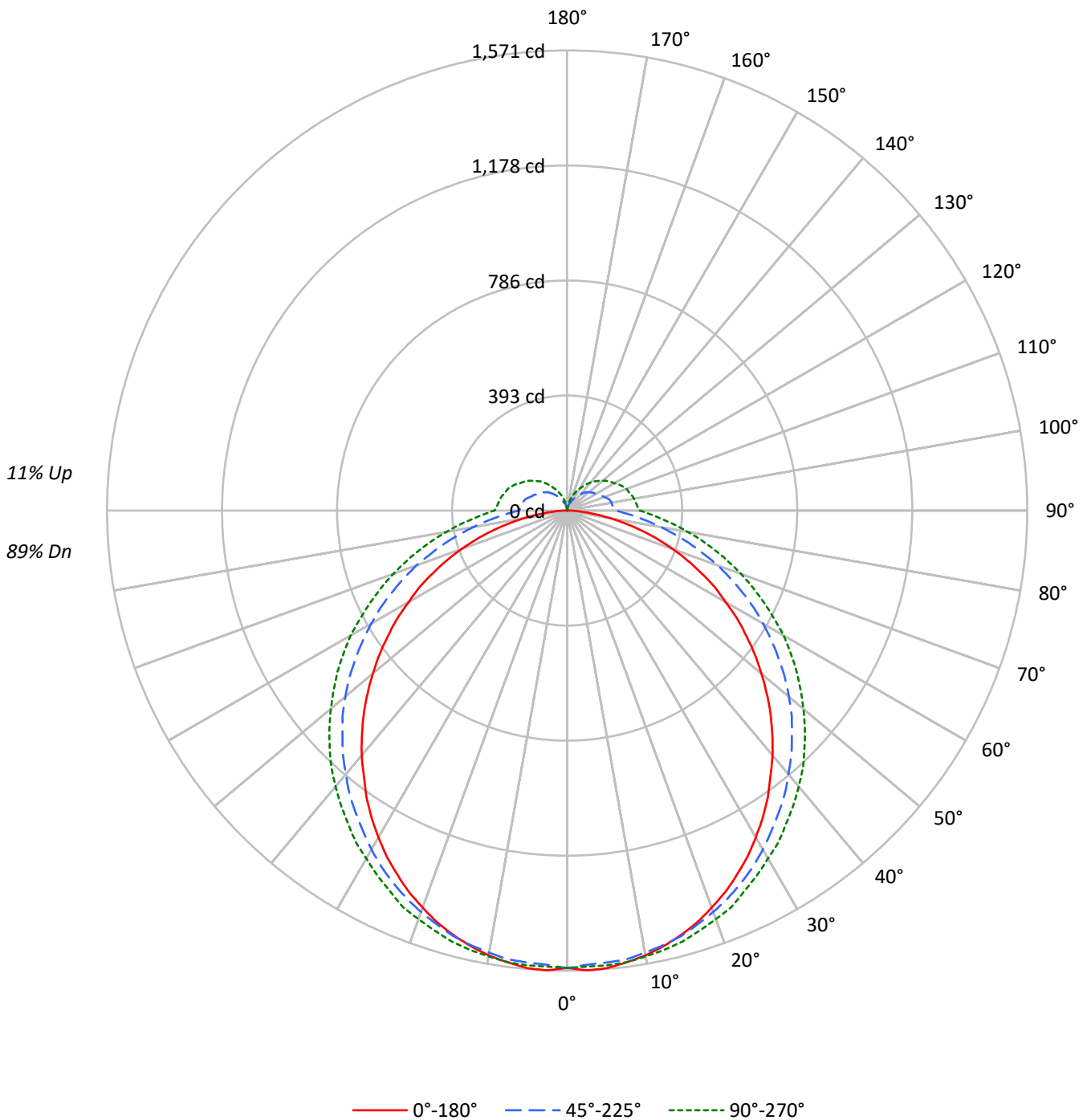
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5559.0 lumens  
Efficiency: N/A  
Efficacy: 140.0 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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### 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°	16808	16808	16808
5°	16881	16031	15910
10°	16733	15392	15114
15°	16535	14773	14399
20°	16275	14131	13682
25°	15980	13516	12980
30°	15631	12882	12310
35°	15251	12247	11682
40°	14819	11627	11082
45°	14351	11004	10469
50°	13817	10365	9824
55°	13231	9652	9192
60°	12541	8907	8524
65°	11819	8105	7762
70°	10818	7249	7014
75°	9502	6253	6219
80°	7426	5249	5427
85°	4852	4316	4613



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.3	2.7
10°-20°	426.3	7.7
20°-30°	648.2	11.7
30°-40°	786.9	14.2
40°-50°	831.5	15.0
50°-60°	778.1	14.0
60°-70°	638.4	11.5
70°-80°	439.1	7.9
80°-90°	240.5	4.3
90°-100°	154.9	2.8
100°-110°	139.0	2.5
110°-120°	115.0	2.1
120°-130°	88.6	1.6
130°-140°	62.2	1.1
140°-150°	37.5	0.7
150°-160°	18.0	0.3
160°-170°	5.9	0.1
170°-180°	0.7	0.0
0°-30°	1222.9	22.0
0°-40°	2009.7	36.2
0°-60°	3619.3	65.1
0°-90°	4937.3	88.8
90°-120°	408.8	7.4
90°-150°	597.1	10.7
90°-180°	622.0	11.2
0°-180°	5559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1562	1562	1562	1562	1562	
5°	1568	1565	1549	1562	1558	149
15°	1500	1507	1504	1523	1523	423
25°	1372	1388	1404	1433	1433	632
35°	1194	1224	1259	1294	1304	746
45°	982	1027	1085	1133	1146	757
55°	747	808	882	937	956	668
65°	506	573	660	721	740	501
75°	264	335	431	499	522	278
85°	58	138	235	299	322	67
90°	0	77	164	225	248	4
95°	0	74	158	216	238	0
105°	0	61	148	203	222	2
115°	3	55	126	180	203	3
125°	3	45	106	154	174	3
135°	3	35	87	126	142	2
145°	3	26	61	97	106	2
155°	3	16	39	61	71	1
165°	3	10	19	29	35	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°	1561.5	1561.5	1561.5	1561.5	1561.5
2.5°	1571.2	1568.0	1551.9	1564.8	1558.3
5°	1568.0	1564.8	1548.7	1561.5	1558.3
7.5°	1555.1	1555.1	1545.4	1558.3	1555.1
10°	1542.2	1542.2	1532.6	1548.7	1545.4
12.5°	1522.9	1526.1	1519.7	1539.0	1535.8
15°	1500.4	1506.8	1503.6	1522.9	1522.9
17.5°	1474.6	1481.0	1481.0	1503.6	1503.6
20°	1442.4	1452.1	1458.5	1484.3	1484.3
22.5°	1410.2	1423.1	1432.7	1455.3	1464.9
25°	1371.6	1387.7	1403.8	1432.7	1432.7
27.5°	1332.9	1352.3	1371.6	1400.6	1403.8
30°	1287.9	1310.4	1336.2	1365.1	1371.6
32.5°	1242.8	1271.8	1297.5	1332.9	1342.6
35°	1194.5	1223.5	1258.9	1294.3	1304.0
37.5°	1139.8	1175.2	1220.3	1258.9	1268.5
40°	1091.5	1130.1	1175.2	1220.3	1229.9
42.5°	1036.7	1078.6	1133.3	1175.2	1191.3
45°	982.0	1027.1	1085.0	1133.3	1146.2
47.5°	924.0	975.6	1040.0	1085.0	1101.1
50°	866.1	920.8	988.4	1040.0	1052.8
52.5°	808.1	866.1	936.9	988.4	1004.5
55°	747.0	808.1	882.2	936.9	956.2
57.5°	689.0	750.2	827.5	885.4	904.7
60°	624.6	695.4	772.7	830.7	853.2
62.5°	569.9	634.3	718.0	775.9	795.3
65°	505.5	573.1	660.0	721.2	740.5
67.5°	444.3	515.1	602.1	666.5	685.8
70°	383.1	454.0	547.3	608.5	631.1
72.5°	322.0	396.0	486.2	553.8	576.3
75°	264.0	334.8	431.4	499.0	521.6
77.5°	202.8	280.1	376.7	444.3	470.1
80°	148.1	228.6	325.2	392.8	418.6
82.5°	99.8	180.3	276.9	344.5	370.3
85°	58.0	138.4	235.0	299.4	322.0
87.5°	29.0	106.2	196.4	260.8	283.3
90°	0.0	77.3	164.2	225.4	247.9
92.5°	0.0	74.1	161.0	218.9	241.5
95°	0.0	74.1	157.8	215.7	238.3
97.5°	0.0	70.8	154.5	215.7	235.0
100°	0.0	67.6	154.5	212.5	231.8
102.5°	0.0	64.4	151.3	209.3	228.6
105°	0.0	61.2	148.1	202.8	222.2
107.5°	3.2	61.2	141.7	199.6	218.9
110°	3.2	58.0	135.2	196.4	215.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	54.7	128.8	190.0	209.3
115°	3.2	54.7	125.6	180.3	202.8
117.5°	3.2	51.5	119.1	173.9	196.4
120°	3.2	51.5	115.9	167.4	186.7
122.5°	3.2	48.3	109.5	161.0	180.3
125°	3.2	45.1	106.2	154.5	173.9
127.5°	3.2	41.9	103.0	148.1	167.4
130°	3.2	38.6	96.6	141.7	157.8
132.5°	3.2	38.6	93.4	132.0	151.3
135°	3.2	35.4	86.9	125.6	141.7
137.5°	3.2	32.2	80.5	119.1	135.2
140°	3.2	29.0	74.1	112.7	125.6
142.5°	3.2	29.0	67.6	103.0	115.9
145°	3.2	25.8	61.2	96.6	106.2
147.5°	3.2	22.5	54.7	86.9	96.6
150°	3.2	22.5	48.3	77.3	86.9
152.5°	3.2	19.3	41.9	70.8	80.5
155°	3.2	16.1	38.6	61.2	70.8
157.5°	3.2	16.1	32.2	51.5	61.2
160°	3.2	12.9	29.0	41.9	51.5
162.5°	3.2	12.9	25.8	35.4	45.1
165°	3.2	9.7	19.3	29.0	35.4
167.5°	3.2	9.7	16.1	22.5	29.0
170°	3.2	6.4	12.9	16.1	22.5
172.5°	3.2	6.4	9.7	9.7	9.7
175°	3.2	3.2	6.4	6.4	3.2
177.5°	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)