

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: P566568

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566568  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-57SL-FDL-UNV-L840-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

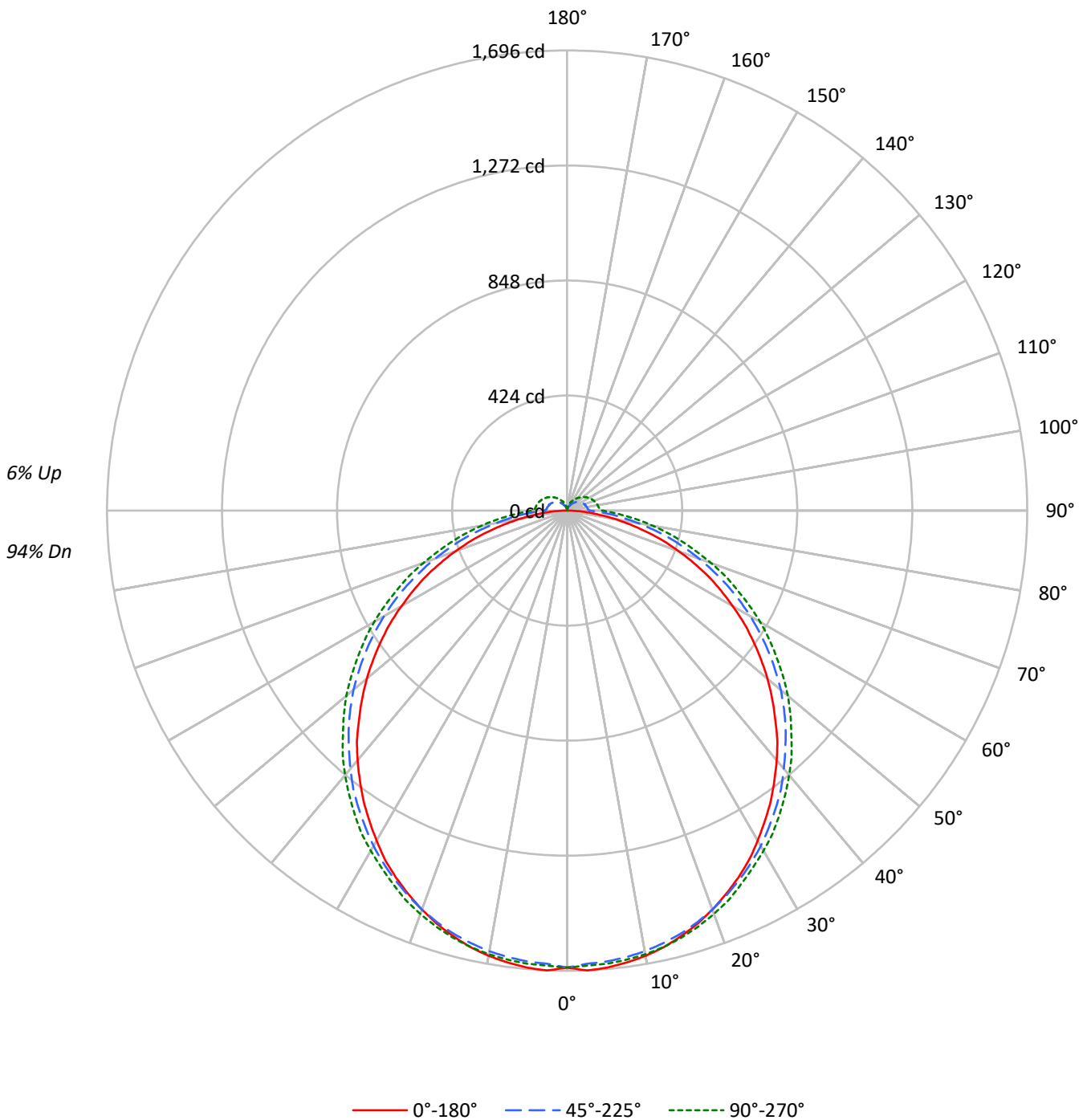
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5352.0 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18129	18129	18129
5°	18253	17829	17855
10°	18178	17635	17631
15°	18041	17413	17379
20°	17857	17143	17083
25°	17643	16847	16732
30°	17354	16544	16408
35°	17062	16190	16070
40°	16741	15799	15690
45°	16334	15412	15248
50°	15943	14970	14842
55°	15457	14425	14281
60°	14910	13799	13727
65°	14332	13055	12964
70°	13340	12118	12173
75°	12142	11014	11228
80°	10371	9551	10178
85°	8156	8280	8945



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.7	3.0
10°-20°	458.3	8.6
20°-30°	694.6	13.0
30°-40°	838.5	15.7
40°-50°	875.6	16.4
50°-60°	804.4	15.0
60°-70°	636.1	11.9
70°-80°	402.6	7.5
80°-90°	173.1	3.2
90°-100°	76.2	1.4
100°-110°	68.2	1.3
110°-120°	57.6	1.1
120°-130°	44.9	0.8
130°-140°	31.1	0.6
140°-150°	18.6	0.3
150°-160°	9.1	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1312.6	24.5
0°-40°	2151.1	40.2
0°-60°	3831.1	71.6
0°-90°	5042.8	94.2
90°-120°	201.9	3.8
90°-150°	296.5	5.5
90°-180°	309.0	5.8
0°-180°	5352.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1691	1686	1668	1682	1677	161
15°	1624	1624	1615	1632	1629	458
25°	1493	1499	1501	1521	1518	687
35°	1308	1323	1340	1361	1366	818
45°	1084	1111	1139	1161	1169	837
55°	836	870	906	935	942	748
65°	575	608	650	680	691	567
75°	303	339	389	422	438	321
85°	74	114	163	198	210	82
90°	5	41	83	117	129	6
95°	1	35	76	106	118	1
105°	1	32	71	100	110	1
115°	1	28	64	90	100	1
125°	2	25	54	78	86	2
135°	2	19	44	62	69	1
145°	2	14	30	46	51	1
155°	2	10	20	29	35	1
165°	3	7	10	14	20	1
175°	3	4	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°	1684.2	1684.2	1684.2	1684.2	1684.2
2.5°	1696.5	1690.8	1671.9	1685.1	1678.5
5°	1690.8	1686.1	1668.1	1682.3	1676.6
7.5°	1680.4	1676.6	1660.5	1675.6	1670.0
10°	1666.2	1663.3	1649.1	1664.3	1660.5
12.5°	1648.2	1647.2	1633.0	1650.1	1647.2
15°	1623.5	1623.5	1615.0	1632.0	1629.2
17.5°	1597.0	1597.9	1591.3	1609.3	1607.4
20°	1564.8	1569.5	1564.8	1583.7	1581.8
22.5°	1529.7	1536.3	1534.4	1553.4	1554.3
25°	1492.7	1499.4	1501.3	1521.2	1518.3
27.5°	1452.0	1462.4	1466.2	1484.2	1483.2
30°	1404.6	1418.8	1427.3	1442.5	1447.2
32.5°	1356.2	1373.3	1383.7	1404.6	1410.3
35°	1307.9	1323.1	1340.1	1361.0	1365.7
37.5°	1254.8	1271.9	1294.6	1314.5	1320.2
40°	1201.8	1220.7	1242.5	1264.3	1272.8
42.5°	1146.8	1166.7	1190.4	1216.0	1224.5
45°	1084.2	1110.8	1139.2	1161.0	1168.6
47.5°	1024.5	1053.9	1084.2	1107.9	1116.5
50°	963.9	995.2	1027.4	1049.2	1062.4
52.5°	900.4	934.5	966.7	994.2	1002.7
55°	835.9	870.0	906.1	935.4	942.1
57.5°	773.4	806.5	842.6	870.0	883.3
60°	705.1	741.2	780.0	807.5	821.7
62.5°	638.8	673.9	715.6	744.9	756.3
65°	575.3	607.5	650.2	680.5	690.9
67.5°	505.2	542.1	582.9	617.9	631.2
70°	436.0	471.0	517.5	550.6	563.9
72.5°	371.5	405.6	452.1	485.3	497.6
75°	303.3	339.3	388.6	421.8	437.9
77.5°	237.9	277.7	325.1	361.1	379.1
80°	177.2	212.3	263.5	303.3	319.4
82.5°	120.4	158.3	211.4	248.3	266.3
85°	73.9	113.7	163.0	198.1	210.4
87.5°	35.1	73.0	118.5	152.6	167.8
90°	4.7	40.8	83.4	116.6	128.9
92.5°	0.9	35.1	76.8	108.0	119.4
95°	0.9	35.1	75.8	106.1	117.5
97.5°	0.9	34.1	74.9	105.2	115.6
100°	0.9	33.2	73.9	103.3	114.7
102.5°	0.9	33.2	72.0	101.4	111.8
105°	0.9	32.2	71.1	99.5	109.9
107.5°	0.9	31.3	69.2	97.6	108.0
110°	0.9	29.4	68.2	94.8	105.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	28.4	66.3	92.9	102.4
115°	0.9	27.5	64.4	90.0	99.5
117.5°	0.9	26.5	61.6	87.2	96.7
120°	1.9	26.5	59.7	84.4	92.9
122.5°	1.9	25.6	56.9	80.6	89.1
125°	1.9	24.6	54.0	77.7	86.2
127.5°	1.9	23.7	51.2	73.9	81.5
130°	1.9	21.8	49.3	70.1	77.7
132.5°	1.9	20.9	46.4	65.4	73.0
135°	1.9	19.0	43.6	61.6	69.2
137.5°	1.9	18.0	40.8	57.8	64.4
140°	1.9	17.1	37.0	54.0	60.7
142.5°	1.9	15.2	34.1	50.2	55.9
145°	1.9	14.2	30.3	46.4	51.2
147.5°	1.9	12.3	27.5	42.6	47.4
150°	1.9	11.4	24.6	38.9	43.6
152.5°	1.9	10.4	21.8	34.1	38.9
155°	1.9	9.5	19.9	29.4	35.1
157.5°	1.9	8.5	17.1	25.6	31.3
160°	2.8	7.6	15.2	21.8	26.5
162.5°	2.8	6.6	12.3	18.0	23.7
165°	2.8	6.6	10.4	14.2	19.9
167.5°	2.8	5.7	8.5	11.4	16.1
170°	2.8	4.7	7.6	8.5	12.3
172.5°	2.8	3.8	5.7	5.7	6.6
175°	2.8	3.8	4.7	4.7	2.8
177.5°	2.8	2.8	2.8	2.8	1.9
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)