

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: P566620

Luminaire Tested: **4SNX-60SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566620  
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-60SL-FDL-UNV-L940-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

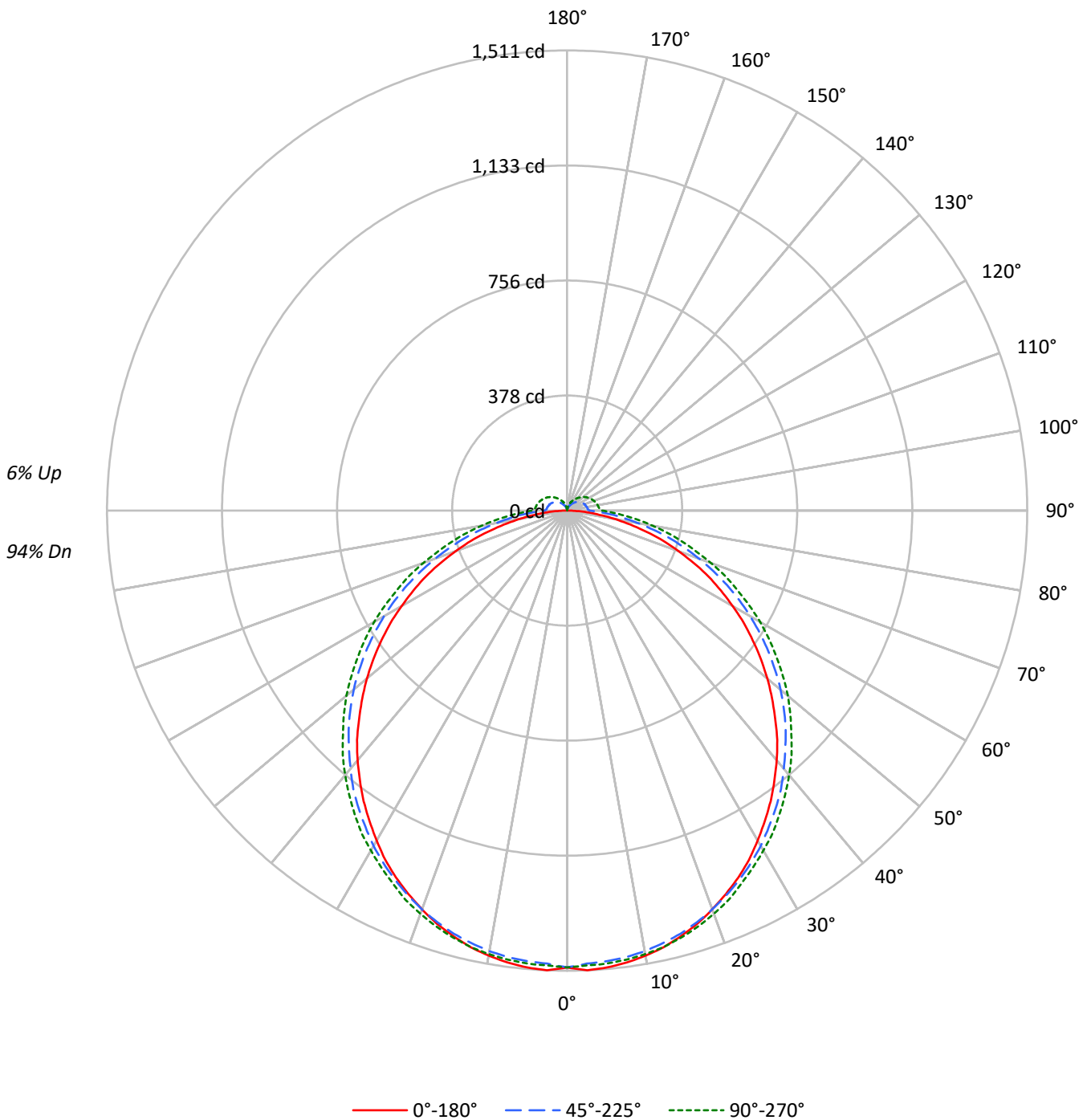
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4767.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 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): 42  
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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CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L940-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	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°	16147	16147	16147
5°	16258	15879	15903
10°	16190	15708	15704
15°	16070	15510	15479
20°	15904	15269	15216
25°	15715	15005	14904
30°	15457	14736	14615
35°	15198	14421	14313
40°	14910	14072	13975
45°	14549	13727	13581
50°	14200	13334	13220
55°	13769	12847	12719
60°	13282	12290	12227
65°	12765	11627	11547
70°	11880	10792	10843
75°	10813	9810	10000
80°	9242	8507	9066
85°	7262	7376	7967



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.3	3.0
10°-20°	408.2	8.6
20°-30°	618.7	13.0
30°-40°	746.8	15.7
40°-50°	779.9	16.4
50°-60°	716.5	15.0
60°-70°	566.6	11.9
70°-80°	358.6	7.5
80°-90°	154.1	3.2
90°-100°	67.8	1.4
100°-110°	60.7	1.3
110°-120°	51.3	1.1
120°-130°	40.0	0.8
130°-140°	27.7	0.6
140°-150°	16.6	0.3
150°-160°	8.1	0.2
160°-170°	2.8	0.1
170°-180°	0.4	0.0
0°-30°	1169.1	24.5
0°-40°	1916.0	40.2
0°-60°	3412.3	71.6
0°-90°	4491.6	94.2
90°-120°	179.8	3.8
90°-150°	264.1	5.5
90°-180°	275.0	5.8
0°-180°	4767.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1506	1502	1486	1498	1493	143
15°	1446	1446	1438	1454	1451	408
25°	1330	1336	1337	1355	1352	612
35°	1165	1178	1194	1212	1216	728
45°	966	989	1015	1034	1041	746
55°	745	775	807	833	839	666
65°	512	541	579	606	615	505
75°	270	302	346	376	390	286
85°	66	101	145	176	187	73
90°	4	36	74	104	115	6
95°	1	31	68	94	105	1
105°	1	29	63	89	98	1
115°	1	24	57	80	89	1
125°	2	22	48	69	77	2
135°	2	17	39	55	62	1
145°	2	13	27	41	46	1
155°	2	8	18	26	31	1
165°	2	6	9	13	18	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1500.1	1500.1	1500.1	1500.1	1500.1
2.5°	1511.1	1506.0	1489.1	1500.9	1495.0
5°	1506.0	1501.8	1485.7	1498.4	1493.3
7.5°	1496.7	1493.3	1479.0	1492.5	1487.4
10°	1484.0	1481.5	1468.9	1482.4	1479.0
12.5°	1468.0	1467.2	1454.5	1469.7	1467.2
15°	1446.1	1446.1	1438.5	1453.7	1451.1
17.5°	1422.4	1423.3	1417.4	1433.4	1431.7
20°	1393.7	1397.9	1393.7	1410.6	1408.9
22.5°	1362.5	1368.4	1366.7	1383.6	1384.4
25°	1329.6	1335.5	1337.2	1354.9	1352.4
27.5°	1293.3	1302.6	1305.9	1322.0	1321.1
30°	1251.1	1263.7	1271.3	1284.8	1289.0
32.5°	1208.0	1223.2	1232.5	1251.1	1256.1
35°	1165.0	1178.5	1193.7	1212.2	1216.4
37.5°	1117.7	1132.9	1153.1	1170.9	1175.9
40°	1070.4	1087.3	1106.7	1126.1	1133.7
42.5°	1021.4	1039.2	1060.3	1083.1	1090.7
45°	965.7	989.4	1014.7	1034.1	1040.9
47.5°	912.5	938.7	965.7	986.8	994.4
50°	858.5	886.4	915.1	934.5	946.3
52.5°	802.0	832.3	861.1	885.5	893.1
55°	744.6	774.9	807.0	833.2	839.1
57.5°	688.8	718.4	750.5	774.9	786.8
60°	628.1	660.1	694.7	719.2	731.9
62.5°	569.0	600.2	637.3	663.5	673.6
65°	512.4	541.1	579.1	606.1	615.4
67.5°	449.9	482.9	519.2	550.4	562.2
70°	388.3	419.6	460.9	490.5	502.3
72.5°	330.9	361.3	402.7	432.2	443.2
75°	270.1	302.2	346.1	375.7	390.0
77.5°	211.9	247.3	289.5	321.6	337.7
80°	157.9	189.1	234.7	270.1	284.5
82.5°	107.2	141.0	188.2	221.2	237.2
85°	65.8	101.3	145.2	176.4	187.4
87.5°	31.2	65.0	105.5	135.9	149.4
90°	4.2	36.3	74.3	103.8	114.8
92.5°	0.8	31.2	68.4	96.2	106.4
95°	0.8	31.2	67.5	94.5	104.7
97.5°	0.8	30.4	66.7	93.7	103.0
100°	0.8	29.5	65.8	92.0	102.1
102.5°	0.8	29.5	64.2	90.3	99.6
105°	0.8	28.7	63.3	88.6	97.9
107.5°	0.8	27.9	61.6	86.9	96.2
110°	0.8	26.2	60.8	84.4	93.7



TEST NUMBER: P566620

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	25.3	59.1	82.7	91.2
115°	0.8	24.5	57.4	80.2	88.6
117.5°	0.8	23.6	54.9	77.7	86.1
120°	1.7	23.6	53.2	75.1	82.7
122.5°	1.7	22.8	50.7	71.8	79.4
125°	1.7	21.9	48.1	69.2	76.8
127.5°	1.7	21.1	45.6	65.8	72.6
130°	1.7	19.4	43.9	62.5	69.2
132.5°	1.7	18.6	41.4	58.2	65.0
135°	1.7	16.9	38.8	54.9	61.6
137.5°	1.7	16.0	36.3	51.5	57.4
140°	1.7	15.2	32.9	48.1	54.0
142.5°	1.7	13.5	30.4	44.7	49.8
145°	1.7	12.7	27.0	41.4	45.6
147.5°	1.7	11.0	24.5	38.0	42.2
150°	1.7	10.1	21.9	34.6	38.8
152.5°	1.7	9.3	19.4	30.4	34.6
155°	1.7	8.4	17.7	26.2	31.2
157.5°	1.7	7.6	15.2	22.8	27.9
160°	2.5	6.8	13.5	19.4	23.6
162.5°	2.5	5.9	11.0	16.0	21.1
165°	2.5	5.9	9.3	12.7	17.7
167.5°	2.5	5.1	7.6	10.1	14.4
170°	2.5	4.2	6.8	7.6	11.0
172.5°	2.5	3.4	5.1	5.1	5.9
175°	2.5	3.4	4.2	4.2	2.5
177.5°	2.5	2.5	2.5	2.5	1.7
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)