

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: P566621

Luminaire Tested: **4SNX-60SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566621
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-L950-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

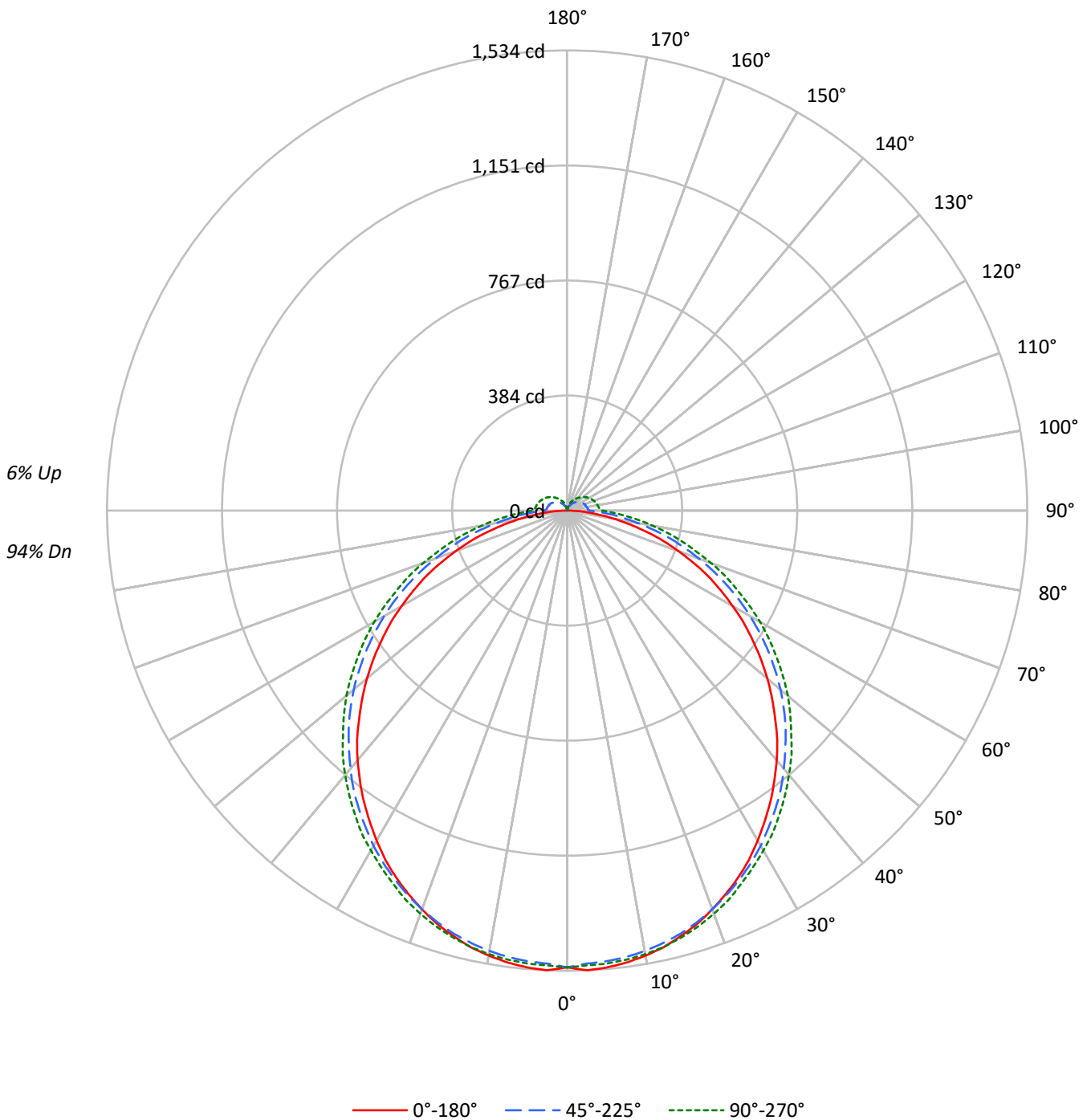
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4839.0 lumens
Efficiency: N/A
Efficacy: 115.2 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

TEST NUMBER: P566621
CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566621

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L950-CD

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°	16390	16390	16390
5°	16503	16120	16144
10°	16436	15945	15941
15°	16312	15744	15713
20°	16145	15500	15446
25°	15951	15232	15129
30°	15691	14958	14836
35°	15426	14639	14530
40°	15136	14284	14186
45°	14769	13934	13786
50°	14415	13535	13420
55°	13976	13041	12912
60°	13481	12476	12410
65°	12957	11802	11721
70°	12061	10956	11007
75°	10977	9957	10151
80°	9376	8634	9203
85°	7372	7488	8086



TEST NUMBER: P566621

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	3.0
10°-20°	414.4	8.6
20°-30°	628.0	13.0
30°-40°	758.1	15.7
40°-50°	791.6	16.4
50°-60°	727.3	15.0
60°-70°	575.1	11.9
70°-80°	364.0	7.5
80°-90°	156.5	3.2
90°-100°	68.9	1.4
100°-110°	61.6	1.3
110°-120°	52.1	1.1
120°-130°	40.6	0.8
130°-140°	28.1	0.6
140°-150°	16.9	0.3
150°-160°	8.2	0.2
160°-170°	2.9	0.1
170°-180°	0.4	0.0
0°-30°	1186.8	24.5
0°-40°	1944.9	40.2
0°-60°	3463.8	71.6
0°-90°	4559.4	94.2
90°-120°	182.6	3.8
90°-150°	268.1	5.5
90°-180°	280.0	5.8
0°-180°	4839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1523	1523	1523	1523	1523	
5°	1529	1524	1508	1521	1516	145
15°	1468	1468	1460	1476	1473	414
25°	1350	1356	1357	1375	1373	622
35°	1182	1196	1212	1230	1235	739
45°	980	1004	1030	1050	1057	757
55°	756	787	819	846	852	676
65°	520	549	588	615	625	512
75°	274	307	351	381	396	291
85°	67	103	147	179	190	74
90°	4	37	75	105	116	6
95°	1	32	69	96	106	1
105°	1	29	64	90	99	1
115°	1	25	58	81	90	1
125°	2	22	49	70	78	2
135°	2	17	39	56	63	1
145°	2	13	27	42	46	1
155°	2	9	18	27	32	1
165°	3	6	9	13	18	1
175°	3	3	4	4	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566621

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1522.7	1522.7	1522.7	1522.7	1522.7
2.5°	1533.9	1528.7	1511.6	1523.6	1517.6
5°	1528.7	1524.5	1508.2	1521.0	1515.9
7.5°	1519.3	1515.9	1501.3	1515.0	1509.9
10°	1506.5	1503.9	1491.0	1504.7	1501.3
12.5°	1490.2	1489.3	1476.5	1491.9	1489.3
15°	1467.9	1467.9	1460.2	1475.6	1473.0
17.5°	1443.9	1444.8	1438.8	1455.0	1453.3
20°	1414.8	1419.1	1414.8	1431.9	1430.2
22.5°	1383.1	1389.1	1387.3	1404.5	1405.3
25°	1349.6	1355.6	1357.4	1375.4	1372.8
27.5°	1312.8	1322.2	1325.7	1341.9	1341.1
30°	1270.0	1282.8	1290.5	1304.2	1308.5
32.5°	1226.2	1241.7	1251.1	1270.0	1275.1
35°	1182.5	1196.3	1211.7	1230.5	1234.8
37.5°	1134.6	1150.0	1170.5	1188.5	1193.7
40°	1086.6	1103.7	1123.4	1143.1	1150.8
42.5°	1036.9	1054.9	1076.3	1099.4	1107.1
45°	980.3	1004.3	1030.0	1049.7	1056.6
47.5°	926.3	952.9	980.3	1001.7	1009.4
50°	871.5	899.8	928.9	948.6	960.6
52.5°	814.1	844.9	874.1	898.9	906.6
55°	755.8	786.7	819.2	845.8	851.8
57.5°	699.2	729.2	761.8	786.7	798.6
60°	637.5	670.1	705.2	730.1	742.9
62.5°	577.6	609.3	647.0	673.5	683.8
65°	520.1	549.3	587.8	615.3	624.7
67.5°	456.7	490.2	527.0	558.7	570.7
70°	394.2	425.9	467.9	497.9	509.9
72.5°	335.9	366.8	408.7	438.7	449.9
75°	274.2	306.8	351.3	381.3	395.9
77.5°	215.1	251.1	293.9	326.5	342.8
80°	160.2	191.9	238.2	274.2	288.8
82.5°	108.8	143.1	191.1	224.5	240.8
85°	66.8	102.8	147.4	179.1	190.2
87.5°	31.7	66.0	107.1	138.0	151.7
90°	4.3	36.8	75.4	105.4	116.5
92.5°	0.9	31.7	69.4	97.7	108.0
95°	0.9	31.7	68.6	96.0	106.3
97.5°	0.9	30.8	67.7	95.1	104.5
100°	0.9	30.0	66.8	93.4	103.7
102.5°	0.9	30.0	65.1	91.7	101.1
105°	0.9	29.1	64.3	90.0	99.4
107.5°	0.9	28.3	62.6	88.3	97.7
110°	0.9	26.6	61.7	85.7	95.1



TEST NUMBER: P566621

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	25.7	60.0	84.0	92.5
115°	0.9	24.9	58.3	81.4	90.0
117.5°	0.9	24.0	55.7	78.8	87.4
120°	1.7	24.0	54.0	76.3	84.0
122.5°	1.7	23.1	51.4	72.8	80.6
125°	1.7	22.3	48.8	70.3	78.0
127.5°	1.7	21.4	46.3	66.8	73.7
130°	1.7	19.7	44.6	63.4	70.3
132.5°	1.7	18.9	42.0	59.1	66.0
135°	1.7	17.1	39.4	55.7	62.6
137.5°	1.7	16.3	36.8	52.3	58.3
140°	1.7	15.4	33.4	48.8	54.8
142.5°	1.7	13.7	30.8	45.4	50.6
145°	1.7	12.9	27.4	42.0	46.3
147.5°	1.7	11.1	24.9	38.6	42.8
150°	1.7	10.3	22.3	35.1	39.4
152.5°	1.7	9.4	19.7	30.8	35.1
155°	1.7	8.6	18.0	26.6	31.7
157.5°	1.7	7.7	15.4	23.1	28.3
160°	2.6	6.9	13.7	19.7	24.0
162.5°	2.6	6.0	11.1	16.3	21.4
165°	2.6	6.0	9.4	12.9	18.0
167.5°	2.6	5.1	7.7	10.3	14.6
170°	2.6	4.3	6.9	7.7	11.1
172.5°	2.6	3.4	5.1	5.1	6.0
175°	2.6	3.4	4.3	4.3	2.6
177.5°	2.6	2.6	2.6	2.6	1.7
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)