

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: P567974

Luminaire Tested: **8SNX-74SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567974  
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: 8SNX-74SL-FDL-UNV-L930-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

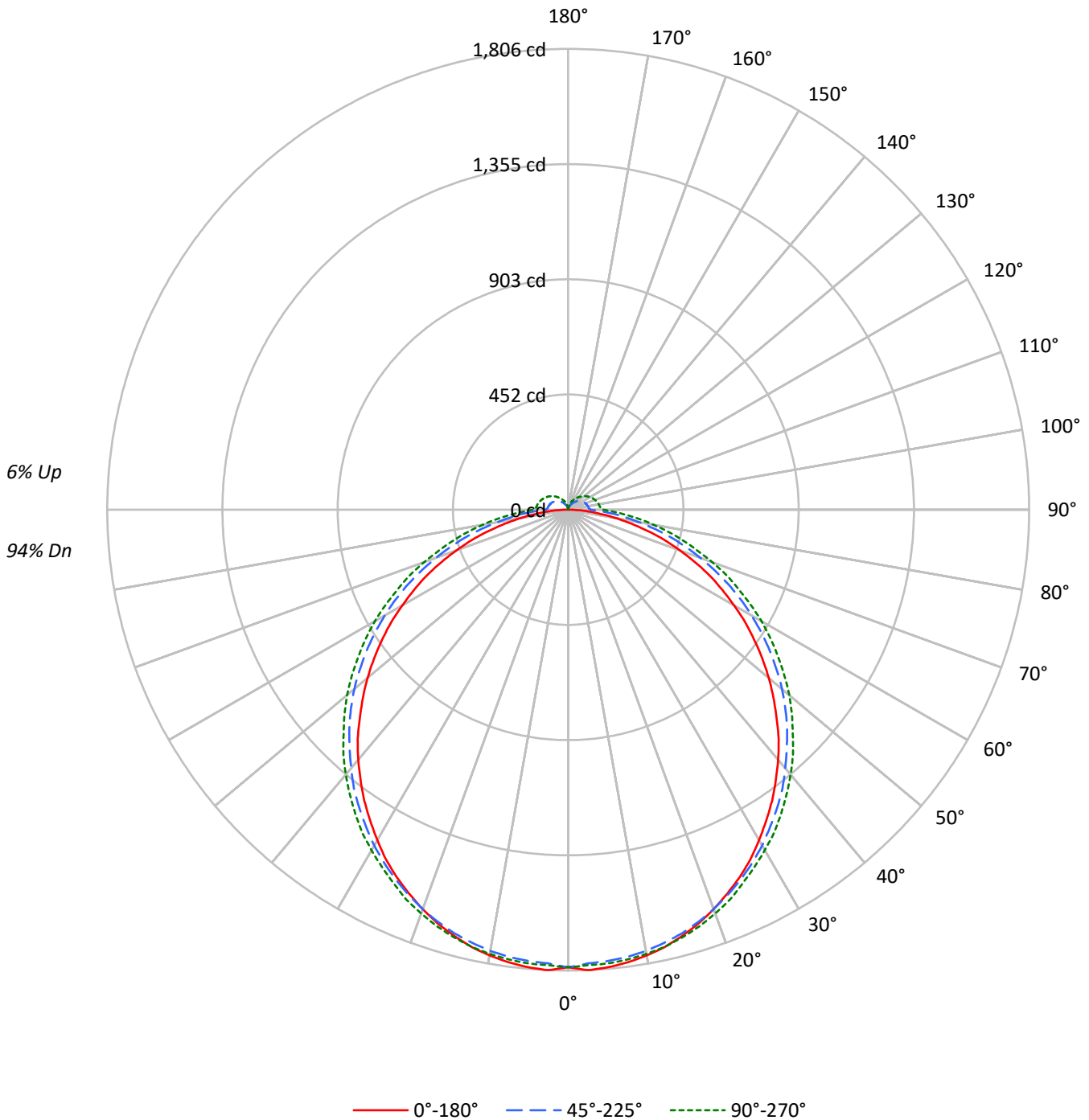
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5698.0 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 48  
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: P567974  
CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567974

CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L930-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°	9650	9650	9650
5°	9721	9493	9505
10°	9685	9394	9385
15°	9617	9278	9251
20°	9523	9137	9094
25°	9414	8982	8907
30°	9265	8824	8735
35°	9116	8639	8555
40°	8950	8433	8352
45°	8740	8231	8116
50°	8539	8000	7901
55°	8289	7712	7602
60°	8008	7384	7307
65°	7714	6993	6901
70°	7202	6499	6480
75°	6586	5918	5977
80°	5681	5146	5417
85°	4587	4487	4761



TEST NUMBER: P567974

CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.0	3.0
10°-20°	488.0	8.6
20°-30°	739.5	13.0
30°-40°	892.7	15.7
40°-50°	932.2	16.4
50°-60°	856.4	15.0
60°-70°	677.2	11.9
70°-80°	428.6	7.5
80°-90°	184.2	3.2
90°-100°	81.1	1.4
100°-110°	72.6	1.3
110°-120°	61.3	1.1
120°-130°	47.8	0.8
130°-140°	33.1	0.6
140°-150°	19.8	0.3
150°-160°	9.7	0.2
160°-170°	3.4	0.1
170°-180°	0.5	0.0
0°-30°	1397.5	24.5
0°-40°	2290.2	40.2
0°-60°	4078.7	71.6
0°-90°	5368.8	94.2
90°-120°	215.0	3.8
90°-150°	315.7	5.5
90°-180°	329.0	5.8
0°-180°	5698.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1793	1793	1793	1793	1793	
5°	1800	1795	1776	1791	1785	171
15°	1728	1728	1719	1738	1734	488
25°	1589	1596	1598	1620	1616	732
35°	1392	1409	1427	1449	1454	871
45°	1154	1183	1213	1236	1244	892
55°	890	926	965	996	1003	796
65°	612	647	692	724	736	603
75°	323	361	414	449	466	342
85°	79	121	174	211	224	87
90°	5	43	89	124	137	7
95°	1	37	81	113	125	1
105°	1	34	76	106	117	1
115°	1	29	69	96	106	1
125°	2	26	58	83	92	2
135°	2	20	46	66	74	2
145°	2	15	32	49	54	1
155°	2	10	21	31	37	1
165°	3	7	11	15	21	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567974

CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1793.1	1793.1	1793.1	1793.1	1793.1
2.5°	1806.2	1800.1	1779.9	1794.1	1787.0
5°	1800.1	1795.1	1775.9	1791.0	1785.0
7.5°	1789.0	1785.0	1767.8	1784.0	1777.9
10°	1773.9	1770.9	1755.7	1771.9	1767.8
12.5°	1754.7	1753.7	1738.6	1756.7	1753.7
15°	1728.5	1728.5	1719.4	1737.6	1734.5
17.5°	1700.2	1701.2	1694.2	1713.3	1711.3
20°	1665.9	1671.0	1665.9	1686.1	1684.1
22.5°	1628.6	1635.6	1633.6	1653.8	1654.8
25°	1589.2	1596.3	1598.3	1619.5	1616.5
27.5°	1545.8	1556.9	1561.0	1580.1	1579.1
30°	1495.4	1510.5	1519.6	1535.7	1540.8
32.5°	1443.9	1462.1	1473.2	1495.4	1501.4
35°	1392.5	1408.6	1426.8	1449.0	1454.0
37.5°	1336.0	1354.1	1378.3	1399.5	1405.6
40°	1279.5	1299.6	1322.8	1346.1	1355.1
42.5°	1220.9	1242.1	1267.3	1294.6	1303.7
45°	1154.3	1182.6	1212.9	1236.1	1244.1
47.5°	1090.8	1122.0	1154.3	1179.6	1188.6
50°	1026.2	1059.5	1093.8	1117.0	1131.1
52.5°	958.6	994.9	1029.2	1058.5	1067.6
55°	890.0	926.3	964.6	995.9	1003.0
57.5°	823.4	858.7	897.0	926.3	940.4
60°	750.7	789.1	830.4	859.7	874.8
62.5°	680.1	717.4	761.8	793.1	805.2
65°	612.5	646.8	692.2	724.5	735.6
67.5°	537.8	577.2	620.6	657.9	672.0
70°	464.2	501.5	550.9	586.2	600.4
72.5°	395.5	431.9	481.3	516.6	529.7
75°	322.9	361.2	413.7	449.0	466.2
77.5°	253.3	295.6	346.1	384.4	403.6
80°	188.7	226.0	280.5	322.9	340.0
82.5°	128.1	168.5	225.0	264.4	283.5
85°	78.7	121.1	173.6	210.9	224.0
87.5°	37.3	77.7	126.1	162.5	178.6
90°	5.0	43.4	88.8	124.1	137.2
92.5°	1.0	37.3	81.7	115.0	127.1
95°	1.0	37.3	80.7	113.0	125.1
97.5°	1.0	36.3	79.7	112.0	123.1
100°	1.0	35.3	78.7	110.0	122.1
102.5°	1.0	35.3	76.7	108.0	119.1
105°	1.0	34.3	75.7	105.9	117.0
107.5°	1.0	33.3	73.7	103.9	115.0
110°	1.0	31.3	72.7	100.9	112.0



TEST NUMBER: P567974

CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	30.3	70.6	98.9	109.0
115°	1.0	29.3	68.6	95.9	105.9
117.5°	1.0	28.3	65.6	92.8	102.9
120°	2.0	28.3	63.6	89.8	98.9
122.5°	2.0	27.2	60.5	85.8	94.8
125°	2.0	26.2	57.5	82.7	91.8
127.5°	2.0	25.2	54.5	78.7	86.8
130°	2.0	23.2	52.5	74.7	82.7
132.5°	2.0	22.2	49.4	69.6	77.7
135°	2.0	20.2	46.4	65.6	73.7
137.5°	2.0	19.2	43.4	61.6	68.6
140°	2.0	18.2	39.4	57.5	64.6
142.5°	2.0	16.1	36.3	53.5	59.5
145°	2.0	15.1	32.3	49.4	54.5
147.5°	2.0	13.1	29.3	45.4	50.5
150°	2.0	12.1	26.2	41.4	46.4
152.5°	2.0	11.1	23.2	36.3	41.4
155°	2.0	10.1	21.2	31.3	37.3
157.5°	2.0	9.1	18.2	27.2	33.3
160°	3.0	8.1	16.1	23.2	28.3
162.5°	3.0	7.1	13.1	19.2	25.2
165°	3.0	7.1	11.1	15.1	21.2
167.5°	3.0	6.1	9.1	12.1	17.2
170°	3.0	5.0	8.1	9.1	13.1
172.5°	3.0	4.0	6.1	6.1	7.1
175°	3.0	4.0	5.0	5.0	3.0
177.5°	3.0	3.0	3.0	3.0	2.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)