

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: P568001

Luminaire Tested: **8SNX-74SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568001  
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: 8SNX-74SL-LW-UNV-L950-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

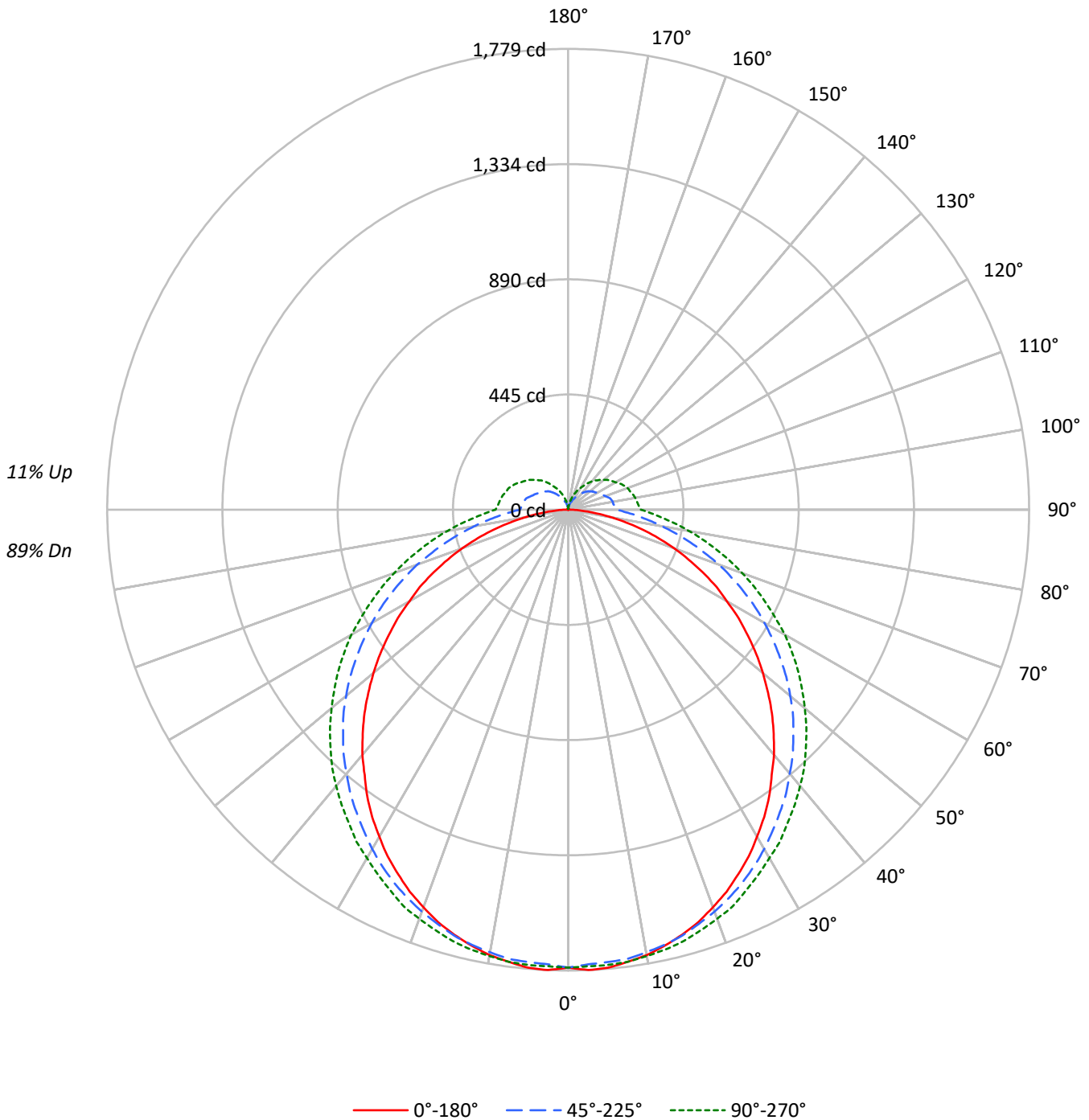
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6292.9 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-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: P568001  
CATALOG NUMBER: 8SNX-74SL-LW-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P568001

CATALOG NUMBER: 8SNX-74SL-LW-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	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°	9514	9514	9514
5°	9572	9085	9005
10°	9506	8733	8555
15°	9411	8391	8150
20°	9282	8035	7744
25°	9132	7693	7347
30°	8953	7340	6967
35°	8756	6985	6612
40°	8532	6638	6273
45°	8289	6291	5925
50°	8010	5932	5561
55°	7705	5531	5203
60°	7346	5111	4825
65°	6975	4659	4394
70°	6455	4174	3970
75°	5767	3609	3520
80°	4648	3037	3072
85°	3272	2506	2611



TEST NUMBER: P568001

CATALOG NUMBER: 8SNX-74SL-LW-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.9	2.7
10°-20°	482.6	7.7
20°-30°	733.8	11.7
30°-40°	890.8	14.2
40°-50°	941.3	15.0
50°-60°	880.8	14.0
60°-70°	722.7	11.5
70°-80°	497.1	7.9
80°-90°	272.2	4.3
90°-100°	175.3	2.8
100°-110°	157.3	2.5
110°-120°	130.2	2.1
120°-130°	100.2	1.6
130°-140°	70.4	1.1
140°-150°	42.4	0.7
150°-160°	20.3	0.3
160°-170°	6.7	0.1
170°-180°	0.8	0.0
0°-30°	1384.3	22.0
0°-40°	2275.1	36.2
0°-60°	4097.2	65.1
0°-90°	5589.2	88.8
90°-120°	462.8	7.4
90°-150°	675.9	10.7
90°-180°	704.0	11.2
0°-180°	6292.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1768	1768	1768	1768	1768	
5°	1775	1771	1753	1768	1764	168
15°	1698	1706	1702	1724	1724	479
25°	1553	1571	1589	1622	1622	715
35°	1352	1385	1425	1465	1476	845
45°	1112	1163	1228	1283	1298	857
55°	846	915	999	1061	1082	757
65°	572	649	747	816	838	567
75°	299	379	488	565	590	315
85°	66	157	266	339	364	76
90°	0	88	186	255	281	4
95°	0	84	179	244	270	0
105°	0	69	168	230	252	2
115°	4	62	142	204	230	4
125°	4	51	120	175	197	3
135°	4	40	98	142	160	3
145°	4	29	69	109	120	2
155°	4	18	44	69	80	2
165°	4	11	22	33	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568001

CATALOG NUMBER: 8SNX-74SL-LW-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1767.7	1767.7	1767.7	1767.7	1767.7
2.5°	1778.7	1775.0	1756.8	1771.4	1764.1
5°	1775.0	1771.4	1753.1	1767.7	1764.1
7.5°	1760.4	1760.4	1749.5	1764.1	1760.4
10°	1745.8	1745.8	1734.9	1753.1	1749.5
12.5°	1724.0	1727.6	1720.3	1742.2	1738.6
15°	1698.5	1705.8	1702.1	1724.0	1724.0
17.5°	1669.3	1676.6	1676.6	1702.1	1702.1
20°	1632.9	1643.8	1651.1	1680.2	1680.2
22.5°	1596.4	1611.0	1621.9	1647.4	1658.4
25°	1552.7	1570.9	1589.1	1621.9	1621.9
27.5°	1508.9	1530.8	1552.7	1585.5	1589.1
30°	1457.9	1483.4	1512.6	1545.4	1552.7
32.5°	1406.9	1439.7	1468.8	1508.9	1519.9
35°	1352.2	1385.0	1425.1	1465.2	1476.1
37.5°	1290.3	1330.3	1381.4	1425.1	1436.0
40°	1235.6	1279.3	1330.3	1381.4	1392.3
42.5°	1173.6	1221.0	1283.0	1330.3	1348.6
45°	1111.7	1162.7	1228.3	1283.0	1297.5
47.5°	1046.1	1104.4	1177.3	1228.3	1246.5
50°	980.4	1042.4	1118.9	1177.3	1191.8
52.5°	914.8	980.4	1060.6	1118.9	1137.2
55°	845.6	914.8	998.7	1060.6	1082.5
57.5°	780.0	849.2	936.7	1002.3	1024.2
60°	707.1	787.3	874.7	940.4	965.9
62.5°	645.1	718.0	812.8	878.4	900.3
65°	572.2	648.8	747.2	816.4	838.3
67.5°	503.0	583.2	681.6	754.5	776.3
70°	433.7	513.9	619.6	688.9	714.4
72.5°	364.5	448.3	550.4	626.9	652.4
75°	298.9	379.1	488.4	564.9	590.5
77.5°	229.6	317.1	426.4	503.0	532.1
80°	167.7	258.8	368.1	444.7	473.8
82.5°	113.0	204.1	313.5	390.0	419.1
85°	65.6	156.7	266.1	339.0	364.5
87.5°	32.8	120.3	222.3	295.2	320.7
90°	0.0	87.5	185.9	255.1	280.6
92.5°	0.0	83.8	182.2	247.8	273.4
95°	0.0	83.8	178.6	244.2	269.7
97.5°	0.0	80.2	174.9	244.2	266.1
100°	0.0	76.5	174.9	240.6	262.4
102.5°	0.0	72.9	171.3	236.9	258.8
105°	0.0	69.3	167.7	229.6	251.5
107.5°	3.6	69.3	160.4	226.0	247.8
110°	3.6	65.6	153.1	222.3	244.2



TEST NUMBER: P568001

CATALOG NUMBER: 8SNX-74SL-LW-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	62.0	145.8	215.0	236.9
115°	3.6	62.0	142.1	204.1	229.6
117.5°	3.6	58.3	134.9	196.8	222.3
120°	3.6	58.3	131.2	189.5	211.4
122.5°	3.6	54.7	123.9	182.2	204.1
125°	3.6	51.0	120.3	174.9	196.8
127.5°	3.6	47.4	116.6	167.7	189.5
130°	3.6	43.7	109.3	160.4	178.6
132.5°	3.6	43.7	105.7	149.4	171.3
135°	3.6	40.1	98.4	142.1	160.4
137.5°	3.6	36.4	91.1	134.9	153.1
140°	3.6	32.8	83.8	127.6	142.1
142.5°	3.6	32.8	76.5	116.6	131.2
145°	3.6	29.2	69.3	109.3	120.3
147.5°	3.6	25.5	62.0	98.4	109.3
150°	3.6	25.5	54.7	87.5	98.4
152.5°	3.6	21.9	47.4	80.2	91.1
155°	3.6	18.2	43.7	69.3	80.2
157.5°	3.6	18.2	36.4	58.3	69.3
160°	3.6	14.6	32.8	47.4	58.3
162.5°	3.6	14.6	29.2	40.1	51.0
165°	3.6	10.9	21.9	32.8	40.1
167.5°	3.6	10.9	18.2	25.5	32.8
170°	3.6	7.3	14.6	18.2	25.5
172.5°	3.6	7.3	10.9	10.9	10.9
175°	3.6	3.6	7.3	7.3	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)