

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: P567874

Luminaire Tested: **8SNX-62SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567874  
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-62SL-FDL-UNV-L830-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

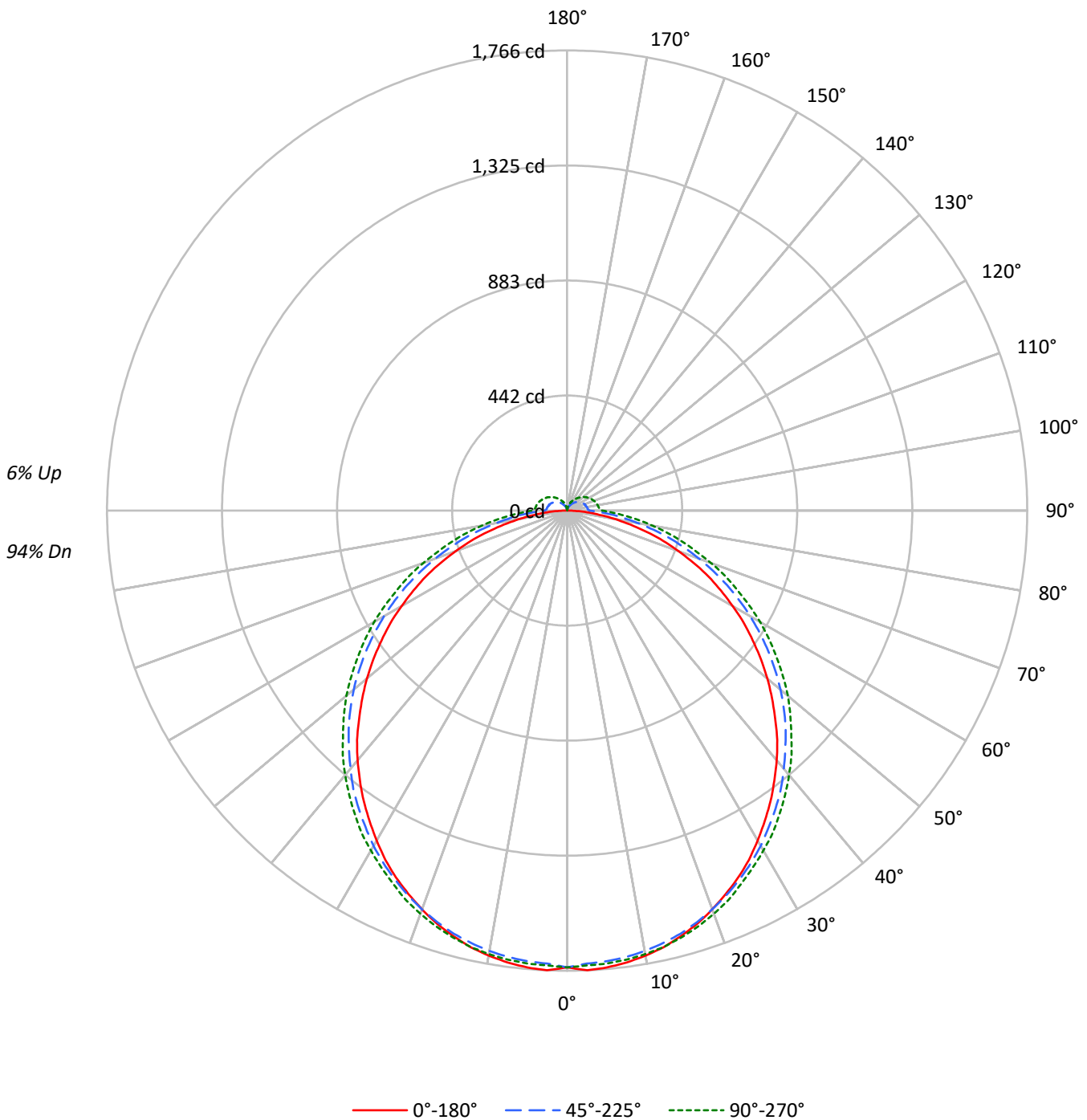
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5571.0 lumens  
Efficiency: N/A  
Efficacy: 142.8 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): 39  
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: P567874  
CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L830-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567874

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L830-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°	9435	9435	9435
5°	9504	9282	9293
10°	9469	9184	9176
15°	9403	9071	9045
20°	9311	8934	8891
25°	9205	8782	8708
30°	9059	8628	8540
35°	8912	8447	8364
40°	8750	8246	8166
45°	8546	8047	7936
50°	8349	7821	7725
55°	8104	7540	7432
60°	7830	7219	7144
65°	7541	6837	6747
70°	7040	6355	6336
75°	6440	5787	5843
80°	5554	5033	5298
85°	4488	4386	4655



TEST NUMBER: P567874

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L830-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.3	3.0
10°-20°	477.1	8.6
20°-30°	723.0	13.0
30°-40°	872.8	15.7
40°-50°	911.4	16.4
50°-60°	837.3	15.0
60°-70°	662.1	11.9
70°-80°	419.1	7.5
80°-90°	180.1	3.2
90°-100°	79.3	1.4
100°-110°	71.0	1.3
110°-120°	59.9	1.1
120°-130°	46.7	0.8
130°-140°	32.3	0.6
140°-150°	19.4	0.3
150°-160°	9.5	0.2
160°-170°	3.3	0.1
170°-180°	0.5	0.0
0°-30°	1366.3	24.5
0°-40°	2239.1	40.2
0°-60°	3987.8	71.6
0°-90°	5249.1	94.2
90°-120°	210.2	3.8
90°-150°	308.6	5.5
90°-180°	322.0	5.8
0°-180°	5571.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1753	1753	1753	1753	1753	
5°	1760	1755	1736	1751	1745	167
15°	1690	1690	1681	1699	1696	477
25°	1554	1561	1563	1583	1580	716
35°	1361	1377	1395	1417	1422	851
45°	1129	1156	1186	1208	1216	872
55°	870	906	943	974	981	778
65°	599	632	677	708	719	590
75°	316	353	404	439	456	335
85°	77	118	170	206	219	85
90°	5	42	87	121	134	6
95°	1	36	79	110	122	1
105°	1	34	74	104	114	1
115°	1	29	67	94	104	1
125°	2	26	56	81	90	2
135°	2	20	45	64	72	2
145°	2	15	32	48	53	1
155°	2	10	21	31	36	1
165°	3	7	11	15	21	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567874

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1753.1	1753.1	1753.1	1753.1	1753.1
2.5°	1765.9	1760.0	1740.3	1754.1	1747.2
5°	1760.0	1755.1	1736.3	1751.1	1745.2
7.5°	1749.1	1745.2	1728.4	1744.2	1738.3
10°	1734.3	1731.4	1716.6	1732.4	1728.4
12.5°	1715.6	1714.6	1699.8	1717.6	1714.6
15°	1690.0	1690.0	1681.1	1698.8	1695.9
17.5°	1662.3	1663.3	1656.4	1675.2	1673.2
20°	1628.8	1633.7	1628.8	1648.5	1646.5
22.5°	1592.3	1599.2	1597.2	1616.9	1617.9
25°	1553.8	1560.7	1562.7	1583.4	1580.4
27.5°	1511.4	1522.2	1526.2	1544.9	1543.9
30°	1462.1	1476.9	1485.7	1501.5	1506.5
32.5°	1411.7	1429.5	1440.4	1462.1	1468.0
35°	1361.4	1377.2	1395.0	1416.7	1421.6
37.5°	1306.2	1323.9	1347.6	1368.3	1374.3
40°	1250.9	1270.7	1293.4	1316.0	1324.9
42.5°	1193.7	1214.4	1239.1	1265.7	1274.6
45°	1128.6	1156.2	1185.8	1208.5	1216.4
47.5°	1066.5	1097.0	1128.6	1153.3	1162.1
50°	1003.3	1035.9	1069.4	1092.1	1105.9
52.5°	937.2	972.7	1006.3	1034.9	1043.8
55°	870.1	905.6	943.1	973.7	980.6
57.5°	805.0	839.5	877.0	905.6	919.5
60°	734.0	771.5	811.9	840.5	855.3
62.5°	664.9	701.4	744.8	775.4	787.3
65°	598.8	632.4	676.8	708.3	719.2
67.5°	525.8	564.3	606.7	643.2	657.0
70°	453.8	490.3	538.7	573.2	587.0
72.5°	386.7	422.2	470.6	505.1	517.9
75°	315.7	353.2	404.5	439.0	455.8
77.5°	247.6	289.1	338.4	375.9	394.6
80°	184.5	221.0	274.3	315.7	332.5
82.5°	125.3	164.8	220.0	258.5	277.2
85°	77.0	118.4	169.7	206.2	219.0
87.5°	36.5	76.0	123.3	158.8	174.6
90°	4.9	42.4	86.8	121.3	134.2
92.5°	1.0	36.5	79.9	112.5	124.3
95°	1.0	36.5	78.9	110.5	122.3
97.5°	1.0	35.5	77.9	109.5	120.4
100°	1.0	34.5	77.0	107.5	119.4
102.5°	1.0	34.5	75.0	105.6	116.4
105°	1.0	33.5	74.0	103.6	114.4
107.5°	1.0	32.6	72.0	101.6	112.5
110°	1.0	30.6	71.0	98.7	109.5



TEST NUMBER: P567874

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	29.6	69.1	96.7	106.5
115°	1.0	28.6	67.1	93.7	103.6
117.5°	1.0	27.6	64.1	90.8	100.6
120°	2.0	27.6	62.2	87.8	96.7
122.5°	2.0	26.6	59.2	83.9	92.7
125°	2.0	25.7	56.2	80.9	89.8
127.5°	2.0	24.7	53.3	77.0	84.8
130°	2.0	22.7	51.3	73.0	80.9
132.5°	2.0	21.7	48.3	68.1	76.0
135°	2.0	19.7	45.4	64.1	72.0
137.5°	2.0	18.7	42.4	60.2	67.1
140°	2.0	17.8	38.5	56.2	63.1
142.5°	2.0	15.8	35.5	52.3	58.2
145°	2.0	14.8	31.6	48.3	53.3
147.5°	2.0	12.8	28.6	44.4	49.3
150°	2.0	11.8	25.7	40.4	45.4
152.5°	2.0	10.9	22.7	35.5	40.4
155°	2.0	9.9	20.7	30.6	36.5
157.5°	2.0	8.9	17.8	26.6	32.6
160°	3.0	7.9	15.8	22.7	27.6
162.5°	3.0	6.9	12.8	18.7	24.7
165°	3.0	6.9	10.9	14.8	20.7
167.5°	3.0	5.9	8.9	11.8	16.8
170°	3.0	4.9	7.9	8.9	12.8
172.5°	3.0	3.9	5.9	5.9	6.9
175°	3.0	3.9	4.9	4.9	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)