

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: P567975

Luminaire Tested: **8SNX-74SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567975  
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-L935-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

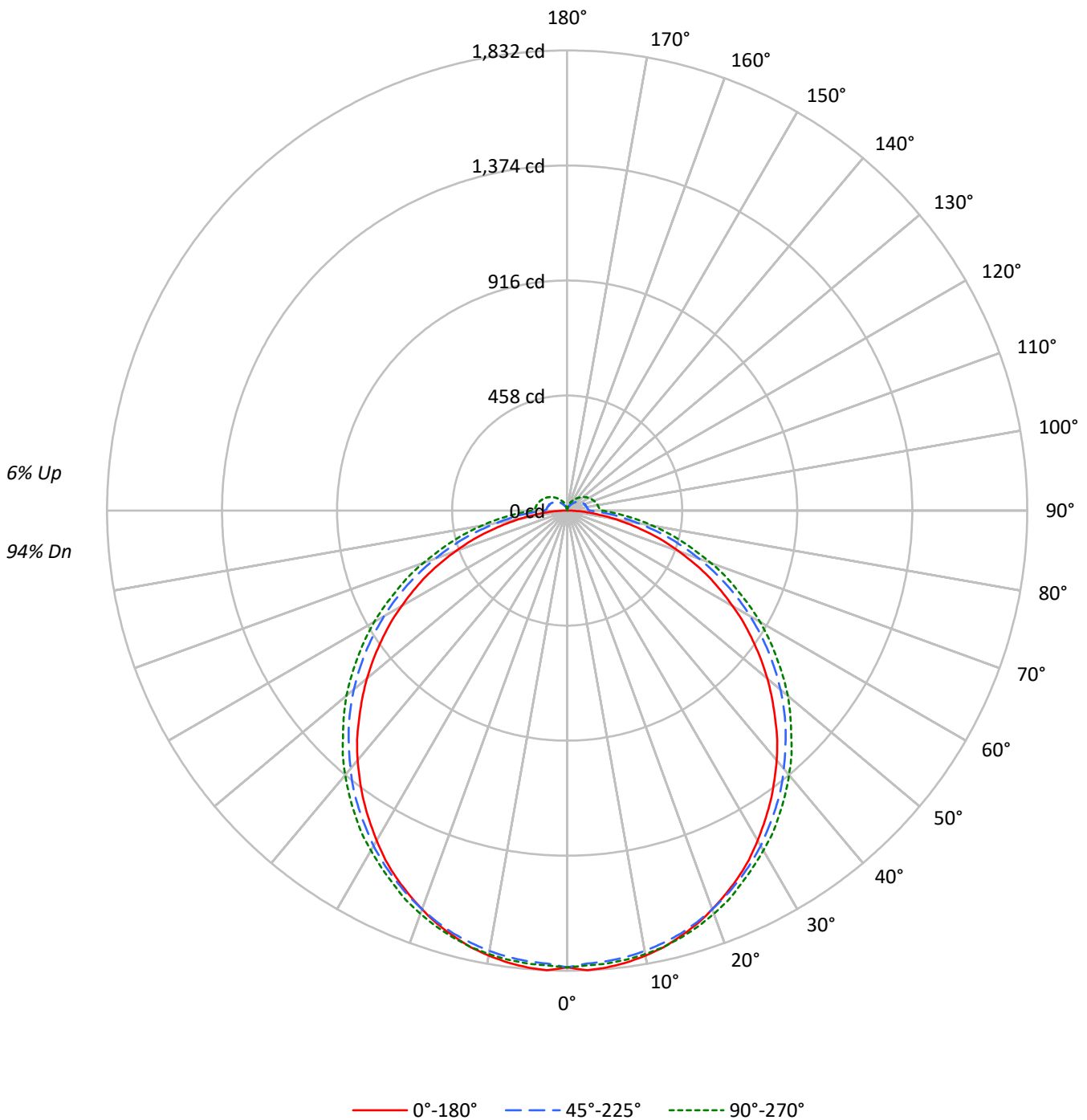
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5779.0 lumens  
Efficiency: N/A  
Efficacy: 120.4 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

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### 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°	9787	9787	9787
5°	9859	9628	9640
10°	9823	9527	9519
15°	9754	9410	9383
20°	9659	9267	9223
25°	9548	9110	9034
30°	9397	8950	8859
35°	9245	8762	8676
40°	9077	8553	8471
45°	8864	8348	8232
50°	8661	8113	8014
55°	8407	7822	7709
60°	8122	7489	7411
65°	7823	7092	6999
70°	7304	6592	6572
75°	6680	6003	6061
80°	5762	5220	5495
85°	4651	4549	4830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.5	3.0
10°-20°	494.9	8.6
20°-30°	750.0	13.0
30°-40°	905.4	15.7
40°-50°	945.4	16.4
50°-60°	868.6	15.0
60°-70°	686.9	11.9
70°-80°	434.7	7.5
80°-90°	186.9	3.2
90°-100°	82.2	1.4
100°-110°	73.6	1.3
110°-120°	62.2	1.1
120°-130°	48.5	0.8
130°-140°	33.5	0.6
140°-150°	20.1	0.3
150°-160°	9.8	0.2
160°-170°	3.4	0.1
170°-180°	0.5	0.0
0°-30°	1417.3	24.5
0°-40°	2322.7	40.2
0°-60°	4136.7	71.6
0°-90°	5445.1	94.2
90°-120°	218.0	3.8
90°-150°	320.1	5.5
90°-180°	334.0	5.8
0°-180°	5779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1818	1818	1818	1818	1818	
5°	1826	1821	1801	1816	1810	173
15°	1753	1753	1744	1762	1759	495
25°	1612	1619	1621	1642	1640	742
35°	1412	1429	1447	1470	1475	883
45°	1171	1199	1230	1254	1262	904
55°	903	940	978	1010	1017	808
65°	621	656	702	735	746	612
75°	328	366	420	455	473	347
85°	80	123	176	214	227	88
90°	5	44	90	126	139	7
95°	1	38	82	115	127	1
105°	1	35	77	108	119	1
115°	1	30	70	97	108	1
125°	2	27	58	84	93	2
135°	2	20	47	66	75	2
145°	2	15	33	50	55	1
155°	2	10	22	32	38	1
165°	3	7	11	15	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1818.5	1818.5	1818.5	1818.5	1818.5
2.5°	1831.8	1825.7	1805.2	1819.6	1812.4
5°	1825.7	1820.6	1801.1	1816.5	1810.4
7.5°	1814.4	1810.4	1793.0	1809.3	1803.2
10°	1799.1	1796.0	1780.7	1797.1	1793.0
12.5°	1779.7	1778.6	1763.3	1781.7	1778.6
15°	1753.0	1753.0	1743.8	1762.3	1759.2
17.5°	1724.4	1725.4	1718.3	1737.7	1735.6
20°	1689.6	1694.7	1689.6	1710.1	1708.0
22.5°	1651.7	1658.9	1656.8	1677.3	1678.3
25°	1611.8	1619.0	1621.0	1642.5	1639.5
27.5°	1567.8	1579.1	1583.2	1602.6	1601.6
30°	1516.6	1532.0	1541.2	1557.6	1562.7
32.5°	1464.5	1482.9	1494.1	1516.6	1522.8
35°	1412.3	1428.6	1447.1	1469.6	1474.7
37.5°	1355.0	1373.4	1397.9	1419.4	1425.6
40°	1297.6	1318.1	1341.6	1365.2	1374.4
42.5°	1238.3	1259.8	1285.4	1313.0	1322.2
45°	1170.7	1199.4	1230.1	1253.6	1261.8
47.5°	1106.3	1138.0	1170.7	1196.3	1205.5
50°	1040.8	1074.5	1109.3	1132.9	1147.2
52.5°	972.2	1009.1	1043.8	1073.5	1082.7
55°	902.6	939.5	978.3	1010.1	1017.2
57.5°	835.1	870.9	909.8	939.5	953.8
60°	761.4	800.3	842.2	871.9	887.3
62.5°	689.8	727.6	772.7	804.4	816.7
65°	621.2	656.0	702.0	734.8	746.0
67.5°	545.5	585.4	629.4	667.2	681.6
70°	470.8	508.6	558.8	594.6	608.9
72.5°	401.2	438.0	488.2	524.0	537.3
75°	327.5	366.4	419.6	455.4	472.8
77.5°	256.9	299.8	351.0	389.9	409.4
80°	191.4	229.2	284.5	327.5	344.9
82.5°	130.0	170.9	228.2	268.1	287.6
85°	79.8	122.8	176.0	213.9	227.2
87.5°	37.9	78.8	127.9	164.8	181.1
90°	5.1	44.0	90.1	125.9	139.2
92.5°	1.0	37.9	82.9	116.7	128.9
95°	1.0	37.9	81.9	114.6	126.9
97.5°	1.0	36.8	80.8	113.6	124.9
100°	1.0	35.8	79.8	111.5	123.8
102.5°	1.0	35.8	77.8	109.5	120.8
105°	1.0	34.8	76.8	107.5	118.7
107.5°	1.0	33.8	74.7	105.4	116.7
110°	1.0	31.7	73.7	102.3	113.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	30.7	71.6	100.3	110.5
115°	1.0	29.7	69.6	97.2	107.5
117.5°	1.0	28.7	66.5	94.2	104.4
120°	2.0	28.7	64.5	91.1	100.3
122.5°	2.0	27.6	61.4	87.0	96.2
125°	2.0	26.6	58.3	83.9	93.1
127.5°	2.0	25.6	55.3	79.8	88.0
130°	2.0	23.5	53.2	75.7	83.9
132.5°	2.0	22.5	50.1	70.6	78.8
135°	2.0	20.5	47.1	66.5	74.7
137.5°	2.0	19.4	44.0	62.4	69.6
140°	2.0	18.4	39.9	58.3	65.5
142.5°	2.0	16.4	36.8	54.2	60.4
145°	2.0	15.4	32.7	50.1	55.3
147.5°	2.0	13.3	29.7	46.1	51.2
150°	2.0	12.3	26.6	42.0	47.1
152.5°	2.0	11.3	23.5	36.8	42.0
155°	2.0	10.2	21.5	31.7	37.9
157.5°	2.0	9.2	18.4	27.6	33.8
160°	3.1	8.2	16.4	23.5	28.7
162.5°	3.1	7.2	13.3	19.4	25.6
165°	3.1	7.2	11.3	15.4	21.5
167.5°	3.1	6.1	9.2	12.3	17.4
170°	3.1	5.1	8.2	9.2	13.3
172.5°	3.1	4.1	6.1	6.1	7.2
175°	3.1	4.1	5.1	5.1	3.1
177.5°	3.1	3.1	3.1	3.1	2.0
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)