

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: P567976

Luminaire Tested: **8SNX-74SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567976  
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-L940-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

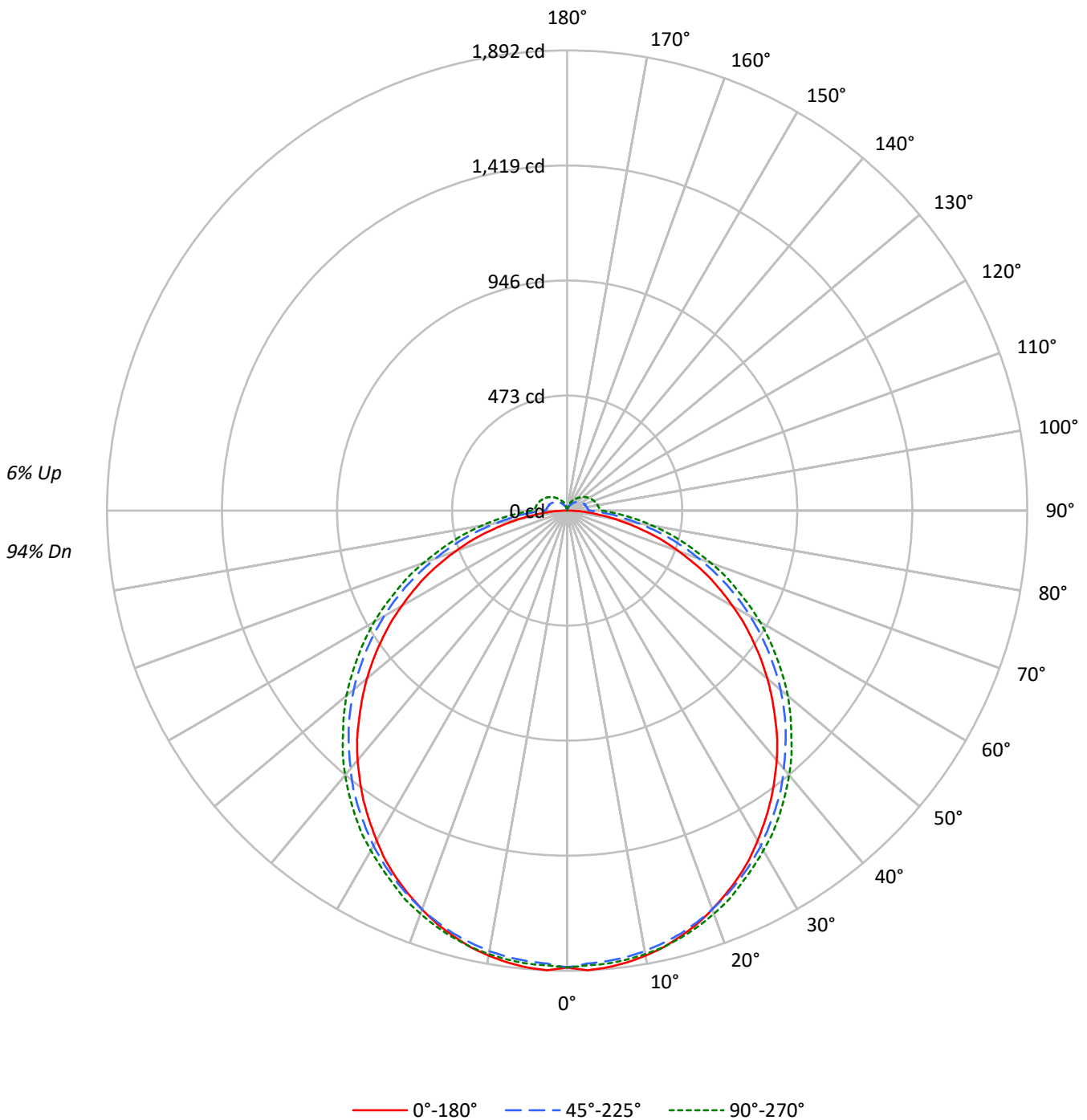
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5969.0 lumens  
Efficiency: N/A  
Efficacy: 124.4 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 (A<sub>in</sub>): 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°	10109	10109	10109
5°	10183	9945	9957
10°	10146	9840	9832
15°	10075	9719	9691
20°	9976	9571	9526
25°	9862	9409	9331
30°	9706	9244	9150
35°	9549	9050	8962
40°	9375	8835	8750
45°	9156	8622	8503
50°	8945	8380	8277
55°	8683	8079	7963
60°	8389	7735	7654
65°	8080	7325	7229
70°	7543	6808	6788
75°	6899	6200	6260
80°	5952	5392	5675
85°	4802	4699	4989



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.1	3.0
10°-20°	511.2	8.6
20°-30°	774.6	13.0
30°-40°	935.1	15.7
40°-50°	976.5	16.4
50°-60°	897.1	15.0
60°-70°	709.4	11.9
70°-80°	449.0	7.5
80°-90°	193.0	3.2
90°-100°	84.9	1.4
100°-110°	76.0	1.3
110°-120°	64.2	1.1
120°-130°	50.0	0.8
130°-140°	34.7	0.6
140°-150°	20.8	0.3
150°-160°	10.2	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1463.9	24.5
0°-40°	2399.1	40.2
0°-60°	4272.7	71.6
0°-90°	5624.1	94.2
90°-120°	225.2	3.8
90°-150°	330.7	5.5
90°-180°	345.0	5.8
0°-180°	5969.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1878	1878	1878	1878	1878	
5°	1886	1880	1860	1876	1870	179
15°	1811	1811	1801	1820	1817	511
25°	1665	1672	1674	1696	1693	767
35°	1459	1476	1495	1518	1523	912
45°	1209	1239	1270	1295	1303	934
55°	932	970	1010	1043	1051	834
65°	642	678	725	759	771	632
75°	338	378	433	470	488	359
85°	82	127	182	221	235	91
90°	5	46	93	130	144	7
95°	1	39	85	118	131	1
105°	1	36	79	111	123	1
115°	1	31	72	100	111	1
125°	2	28	60	87	96	2
135°	2	21	49	69	77	2
145°	2	16	34	52	57	1
155°	2	11	22	33	39	1
165°	3	7	12	16	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°	1878.3	1878.3	1878.3	1878.3	1878.3
2.5°	1892.1	1885.7	1864.6	1879.4	1872.0
5°	1885.7	1880.4	1860.4	1876.2	1869.9
7.5°	1874.1	1869.9	1851.9	1868.8	1862.5
10°	1858.2	1855.1	1839.2	1856.1	1851.9
12.5°	1838.2	1837.1	1821.3	1840.3	1837.1
15°	1810.7	1810.7	1801.2	1820.2	1817.0
17.5°	1781.1	1782.1	1774.7	1794.8	1792.7
20°	1745.1	1750.4	1745.1	1766.3	1764.2
22.5°	1706.0	1713.4	1711.3	1732.5	1733.5
25°	1664.8	1672.2	1674.3	1696.5	1693.4
27.5°	1619.4	1631.0	1635.2	1655.3	1654.2
30°	1566.5	1582.4	1591.9	1608.8	1614.1
32.5°	1512.6	1531.6	1543.3	1566.5	1572.9
35°	1458.7	1475.6	1494.6	1517.9	1523.2
37.5°	1399.5	1418.5	1443.9	1466.1	1472.4
40°	1340.3	1361.4	1385.8	1410.1	1419.6
42.5°	1279.0	1301.2	1327.6	1356.2	1365.7
45°	1209.2	1238.8	1270.5	1294.9	1303.3
47.5°	1142.6	1175.4	1209.2	1235.7	1245.2
50°	1075.0	1109.9	1145.8	1170.1	1184.9
52.5°	1004.2	1042.2	1078.2	1108.8	1118.3
55°	932.3	970.3	1010.5	1043.3	1050.7
57.5°	862.5	899.5	939.7	970.3	985.1
60°	786.4	826.6	869.9	900.6	916.4
62.5°	712.4	751.5	798.1	830.8	843.5
65°	641.6	677.6	725.1	758.9	770.6
67.5°	563.4	604.6	650.1	689.2	704.0
70°	486.2	525.3	577.1	614.1	628.9
72.5°	414.4	452.4	504.2	541.2	554.9
75°	338.2	378.4	433.4	470.4	488.3
77.5°	265.3	309.7	362.6	402.7	422.8
80°	197.7	236.8	293.9	338.2	356.2
82.5°	134.2	176.5	235.7	276.9	297.0
85°	82.4	126.8	181.8	220.9	234.7
87.5°	39.1	81.4	132.1	170.2	187.1
90°	5.3	45.5	93.0	130.0	143.8
92.5°	1.1	39.1	85.6	120.5	133.2
95°	1.1	39.1	84.6	118.4	131.1
97.5°	1.1	38.1	83.5	117.3	129.0
100°	1.1	37.0	82.4	115.2	127.9
102.5°	1.1	37.0	80.3	113.1	124.7
105°	1.1	35.9	79.3	111.0	122.6
107.5°	1.1	34.9	77.2	108.9	120.5
110°	1.1	32.8	76.1	105.7	117.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	31.7	74.0	103.6	114.2
115°	1.1	30.7	71.9	100.4	111.0
117.5°	1.1	29.6	68.7	97.2	107.8
120°	2.1	29.6	66.6	94.1	103.6
122.5°	2.1	28.5	63.4	89.8	99.4
125°	2.1	27.5	60.3	86.7	96.2
127.5°	2.1	26.4	57.1	82.4	90.9
130°	2.1	24.3	55.0	78.2	86.7
132.5°	2.1	23.3	51.8	72.9	81.4
135°	2.1	21.1	48.6	68.7	77.2
137.5°	2.1	20.1	45.5	64.5	71.9
140°	2.1	19.0	41.2	60.3	67.6
142.5°	2.1	16.9	38.1	56.0	62.4
145°	2.1	15.9	33.8	51.8	57.1
147.5°	2.1	13.7	30.7	47.6	52.9
150°	2.1	12.7	27.5	43.3	48.6
152.5°	2.1	11.6	24.3	38.1	43.3
155°	2.1	10.6	22.2	32.8	39.1
157.5°	2.1	9.5	19.0	28.5	34.9
160°	3.2	8.5	16.9	24.3	29.6
162.5°	3.2	7.4	13.7	20.1	26.4
165°	3.2	7.4	11.6	15.9	22.2
167.5°	3.2	6.3	9.5	12.7	18.0
170°	3.2	5.3	8.5	9.5	13.7
172.5°	3.2	4.2	6.3	6.3	7.4
175°	3.2	4.2	5.3	5.3	3.2
177.5°	3.2	3.2	3.2	3.2	2.1
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)