

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: P567972

Luminaire Tested: **8SNX-74SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567972  
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-L840-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

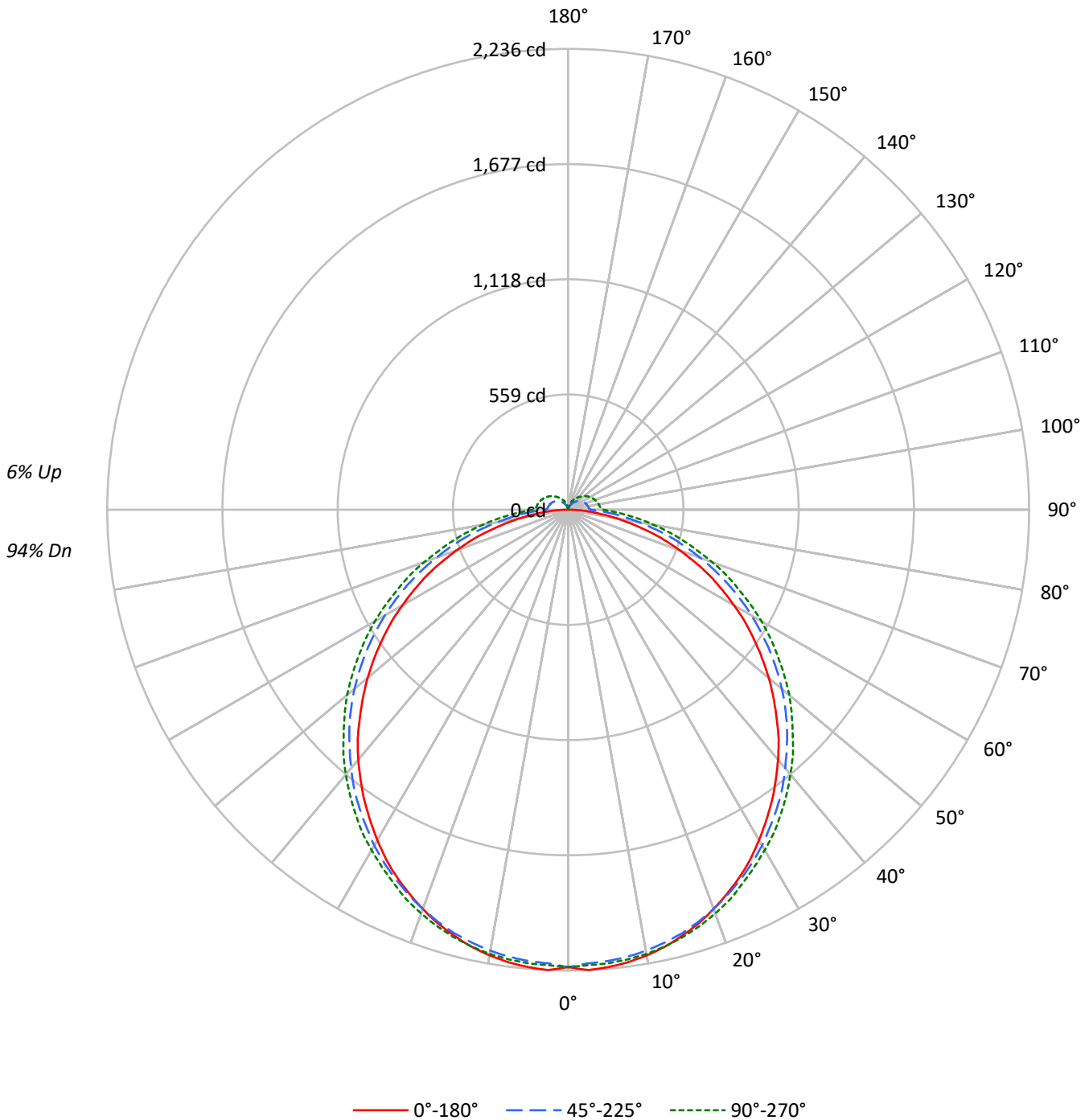
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7052.9 lumens  
Efficiency: N/A  
Efficacy: 146.9 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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CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L840-CD

### 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	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°	11945	11945	11945
5°	12032	11751	11765
10°	11988	11627	11617
15°	11904	11484	11451
20°	11788	11310	11256
25°	11654	11118	11025
30°	11469	10923	10812
35°	11283	10694	10589
40°	11078	10439	10339
45°	10819	10188	10047
50°	10570	9902	9780
55°	10260	9547	9409
60°	9912	9140	9045
65°	9548	8655	8542
70°	8913	8044	8021
75°	8153	7326	7397
80°	7032	6370	6706
85°	5677	5552	5894



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.5	3.0
10°-20°	604.0	8.6
20°-30°	915.3	13.0
30°-40°	1105.0	15.7
40°-50°	1153.9	16.4
50°-60°	1060.0	15.0
60°-70°	838.3	11.9
70°-80°	530.5	7.5
80°-90°	228.0	3.2
90°-100°	100.4	1.4
100°-110°	89.8	1.3
110°-120°	75.9	1.1
120°-130°	59.1	0.8
130°-140°	41.0	0.6
140°-150°	24.6	0.3
150°-160°	12.0	0.2
160°-170°	4.1	0.1
170°-180°	0.6	0.0
0°-30°	1729.8	24.5
0°-40°	2834.8	40.2
0°-60°	5048.7	71.6
0°-90°	6645.5	94.2
90°-120°	266.1	3.8
90°-150°	390.7	5.5
90°-180°	407.0	5.8
0°-180°	7052.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2219	2219	2219	2219	2219	
5°	2228	2222	2198	2217	2210	212
15°	2140	2140	2128	2151	2147	604
25°	1967	1976	1978	2005	2001	906
35°	1724	1744	1766	1794	1800	1078
45°	1429	1464	1501	1530	1540	1104
55°	1102	1147	1194	1233	1242	986
65°	758	801	857	897	910	747
75°	400	447	512	556	577	424
85°	97	150	215	261	277	108
90°	6	54	110	154	170	8
95°	1	46	100	140	155	1
105°	1	42	94	131	145	1
115°	1	36	85	119	131	1
125°	2	32	71	102	114	2
135°	2	25	58	81	91	2
145°	2	19	40	61	67	2
155°	2	12	26	39	46	1
165°	4	9	14	19	26	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2219.4	2219.4	2219.4	2219.4	2219.4
2.5°	2235.7	2228.2	2203.2	2220.7	2212.0
5°	2228.2	2221.9	2198.2	2216.9	2209.5
7.5°	2214.5	2209.5	2188.2	2208.2	2200.7
10°	2195.7	2192.0	2173.2	2193.2	2188.2
12.5°	2172.0	2170.7	2152.0	2174.5	2170.7
15°	2139.5	2139.5	2128.3	2150.8	2147.0
17.5°	2104.5	2105.8	2097.0	2120.8	2118.3
20°	2062.1	2068.3	2062.1	2087.1	2084.6
22.5°	2015.9	2024.6	2022.1	2047.1	2048.3
25°	1967.2	1975.9	1978.4	2004.6	2000.9
27.5°	1913.4	1927.2	1932.2	1955.9	1954.7
30°	1851.0	1869.7	1881.0	1901.0	1907.2
32.5°	1787.3	1809.8	1823.5	1851.0	1858.5
35°	1723.6	1743.6	1766.1	1793.5	1799.8
37.5°	1653.7	1676.1	1706.1	1732.3	1739.8
40°	1583.7	1608.7	1637.4	1666.1	1677.4
42.5°	1511.3	1537.5	1568.7	1602.4	1613.7
45°	1428.8	1463.8	1501.3	1530.0	1540.0
47.5°	1350.2	1388.9	1428.8	1460.1	1471.3
50°	1270.2	1311.4	1353.9	1382.6	1400.1
52.5°	1186.5	1231.5	1274.0	1310.2	1321.4
55°	1101.6	1146.6	1194.0	1232.7	1241.5
57.5°	1019.2	1062.9	1110.3	1146.6	1164.1
60°	929.2	976.7	1027.9	1064.1	1082.9
62.5°	841.8	888.0	943.0	981.7	996.7
65°	758.1	800.6	856.8	896.8	910.5
67.5°	665.7	714.4	768.1	814.3	831.8
70°	574.5	620.7	681.9	725.7	743.1
72.5°	489.6	534.6	595.8	639.5	655.7
75°	399.7	447.1	512.1	555.8	577.0
77.5°	313.5	366.0	428.4	475.9	499.6
80°	233.6	279.8	347.2	399.7	420.9
82.5°	158.6	208.6	278.5	327.2	351.0
85°	97.4	149.9	214.8	261.0	277.3
87.5°	46.2	96.2	156.1	201.1	221.1
90°	6.2	53.7	109.9	153.6	169.9
92.5°	1.2	46.2	101.2	142.4	157.4
95°	1.2	46.2	99.9	139.9	154.9
97.5°	1.2	45.0	98.7	138.6	152.4
100°	1.2	43.7	97.4	136.1	151.1
102.5°	1.2	43.7	94.9	133.6	147.4
105°	1.2	42.5	93.7	131.1	144.9
107.5°	1.2	41.2	91.2	128.6	142.4
110°	1.2	38.7	89.9	124.9	138.6



TEST NUMBER: P567972

CATALOG NUMBER: 8SNX-74SL-FDL-UNV-L840-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	37.5	87.4	122.4	134.9
115°	1.2	36.2	84.9	118.7	131.1
117.5°	1.2	35.0	81.2	114.9	127.4
120°	2.5	35.0	78.7	111.2	122.4
122.5°	2.5	33.7	74.9	106.2	117.4
125°	2.5	32.5	71.2	102.4	113.7
127.5°	2.5	31.2	67.4	97.4	107.4
130°	2.5	28.7	64.9	92.4	102.4
132.5°	2.5	27.5	61.2	86.2	96.2
135°	2.5	25.0	57.5	81.2	91.2
137.5°	2.5	23.7	53.7	76.2	84.9
140°	2.5	22.5	48.7	71.2	79.9
142.5°	2.5	20.0	45.0	66.2	73.7
145°	2.5	18.7	40.0	61.2	67.4
147.5°	2.5	16.2	36.2	56.2	62.4
150°	2.5	15.0	32.5	51.2	57.5
152.5°	2.5	13.7	28.7	45.0	51.2
155°	2.5	12.5	26.2	38.7	46.2
157.5°	2.5	11.2	22.5	33.7	41.2
160°	3.7	10.0	20.0	28.7	35.0
162.5°	3.7	8.7	16.2	23.7	31.2
165°	3.7	8.7	13.7	18.7	26.2
167.5°	3.7	7.5	11.2	15.0	21.2
170°	3.7	6.2	10.0	11.2	16.2
172.5°	3.7	5.0	7.5	7.5	8.7
175°	3.7	5.0	6.2	6.2	3.7
177.5°	3.7	3.7	3.7	3.7	2.5
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)