

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: P567971

Luminaire Tested: **8SNX-74SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567971  
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-L835-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

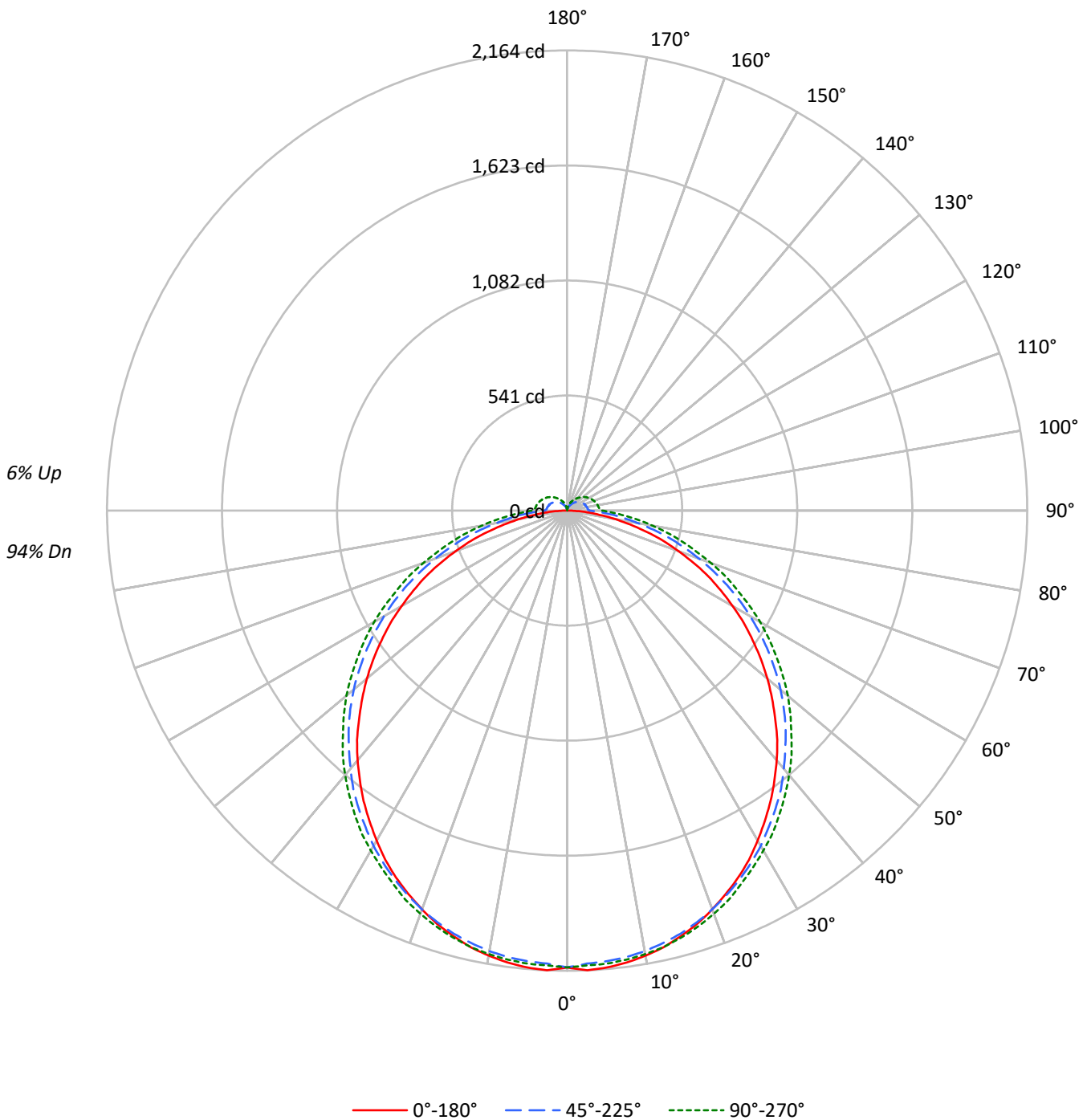
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6827.0 lumens  
Efficiency: N/A  
Efficacy: 142.2 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°	11562	11562	11562
5°	11647	11375	11388
10°	11605	11255	11245
15°	11523	11116	11084
20°	11410	10948	10896
25°	11280	10762	10672
30°	11101	10573	10466
35°	10922	10351	10250
40°	10723	10105	10007
45°	10473	9862	9725
50°	10231	9584	9467
55°	9931	9241	9108
60°	9596	8848	8755
65°	9242	8378	8268
70°	8627	7787	7764
75°	7892	7091	7160
80°	6807	6167	6491
85°	5496	5373	5705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.7	3.0
10°-20°	584.6	8.6
20°-30°	886.0	13.0
30°-40°	1069.6	15.7
40°-50°	1116.9	16.4
50°-60°	1026.1	15.0
60°-70°	811.4	11.9
70°-80°	513.5	7.5
80°-90°	220.7	3.2
90°-100°	97.1	1.4
100°-110°	87.0	1.3
110°-120°	73.5	1.1
120°-130°	57.2	0.8
130°-140°	39.6	0.6
140°-150°	23.8	0.3
150°-160°	11.6	0.2
160°-170°	4.0	0.1
170°-180°	0.6	0.0
0°-30°	1674.4	24.5
0°-40°	2743.9	40.2
0°-60°	4886.9	71.6
0°-90°	6432.5	94.2
90°-120°	257.6	3.8
90°-150°	378.2	5.5
90°-180°	394.0	5.8
0°-180°	6827.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2148	2148	2148	2148	2148	
5°	2157	2151	2128	2146	2139	205
15°	2071	2071	2060	2082	2078	584
25°	1904	1913	1915	1940	1937	877
35°	1668	1688	1710	1736	1742	1043
45°	1383	1417	1453	1481	1491	1068
55°	1066	1110	1156	1193	1202	954
65°	734	775	829	868	881	723
75°	387	433	496	538	558	410
85°	94	145	208	253	268	104
90°	6	52	106	149	164	8
95°	1	45	97	135	150	1
105°	1	41	91	127	140	1
115°	1	35	82	115	127	1
125°	2	31	69	99	110	2
135°	2	24	56	79	88	2
145°	2	18	39	59	65	2
155°	2	12	25	38	45	1
165°	4	8	13	18	25	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



TEST NUMBER: P567971

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2148.3	2148.3	2148.3	2148.3	2148.3
2.5°	2164.0	2156.8	2132.6	2149.5	2141.1
5°	2156.8	2150.7	2127.8	2145.9	2138.7
7.5°	2143.5	2138.7	2118.1	2137.4	2130.2
10°	2125.4	2121.7	2103.6	2122.9	2118.1
12.5°	2102.4	2101.2	2083.0	2104.8	2101.2
15°	2071.0	2071.0	2060.1	2081.8	2078.2
17.5°	2037.1	2038.3	2029.8	2052.8	2050.4
20°	1996.0	2002.0	1996.0	2020.2	2017.8
22.5°	1951.3	1959.7	1957.3	1981.5	1982.7
25°	1904.1	1912.6	1915.0	1940.4	1936.8
27.5°	1852.1	1865.4	1870.3	1893.2	1892.0
30°	1791.7	1809.8	1820.7	1840.0	1846.1
32.5°	1730.0	1751.8	1765.1	1791.7	1798.9
35°	1668.4	1687.7	1709.5	1736.1	1742.1
37.5°	1600.7	1622.4	1651.4	1676.8	1684.1
40°	1533.0	1557.1	1585.0	1612.8	1623.6
42.5°	1462.8	1488.2	1518.5	1551.1	1562.0
45°	1383.1	1416.9	1453.2	1481.0	1490.7
47.5°	1306.9	1344.4	1383.1	1413.3	1424.2
50°	1229.5	1269.4	1310.5	1338.3	1355.2
52.5°	1148.5	1192.0	1233.1	1268.2	1279.1
55°	1066.3	1109.8	1155.8	1193.2	1201.7
57.5°	986.5	1028.8	1074.8	1109.8	1126.8
60°	899.5	945.4	995.0	1030.0	1048.2
62.5°	814.8	859.6	912.8	950.2	964.8
65°	733.8	774.9	829.3	868.0	881.3
67.5°	644.4	691.5	743.5	788.2	805.2
70°	556.1	600.9	660.1	702.4	719.3
72.5°	473.9	517.4	576.7	619.0	634.7
75°	386.9	432.8	495.7	538.0	558.5
77.5°	303.4	354.2	414.7	460.6	483.6
80°	226.1	270.8	336.1	386.9	407.4
82.5°	153.5	201.9	269.6	316.7	339.7
85°	94.3	145.1	207.9	252.7	268.4
87.5°	44.7	93.1	151.1	194.6	214.0
90°	6.0	52.0	106.4	148.7	164.4
92.5°	1.2	44.7	97.9	137.8	152.3
95°	1.2	44.7	96.7	135.4	149.9
97.5°	1.2	43.5	95.5	134.2	147.5
100°	1.2	42.3	94.3	131.8	146.3
102.5°	1.2	42.3	91.9	129.4	142.7
105°	1.2	41.1	90.7	126.9	140.2
107.5°	1.2	39.9	88.3	124.5	137.8
110°	1.2	37.5	87.0	120.9	134.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	36.3	84.6	118.5	130.6
115°	1.2	35.1	82.2	114.9	126.9
117.5°	1.2	33.9	78.6	111.2	123.3
120°	2.4	33.9	76.2	107.6	118.5
122.5°	2.4	32.6	72.5	102.8	113.6
125°	2.4	31.4	68.9	99.1	110.0
127.5°	2.4	30.2	65.3	94.3	104.0
130°	2.4	27.8	62.9	89.5	99.1
132.5°	2.4	26.6	59.2	83.4	93.1
135°	2.4	24.2	55.6	78.6	88.3
137.5°	2.4	23.0	52.0	73.7	82.2
140°	2.4	21.8	47.1	68.9	77.4
142.5°	2.4	19.3	43.5	64.1	71.3
145°	2.4	18.1	38.7	59.2	65.3
147.5°	2.4	15.7	35.1	54.4	60.4
150°	2.4	14.5	31.4	49.6	55.6
152.5°	2.4	13.3	27.8	43.5	49.6
155°	2.4	12.1	25.4	37.5	44.7
157.5°	2.4	10.9	21.8	32.6	39.9
160°	3.6	9.7	19.3	27.8	33.9
162.5°	3.6	8.5	15.7	23.0	30.2
165°	3.6	8.5	13.3	18.1	25.4
167.5°	3.6	7.3	10.9	14.5	20.6
170°	3.6	6.0	9.7	10.9	15.7
172.5°	3.6	4.8	7.3	7.3	8.5
175°	3.6	4.8	6.0	6.0	3.6
177.5°	3.6	3.6	3.6	3.6	2.4
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)