

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: P567970

Luminaire Tested: **8SNX-74SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567970
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-L830-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

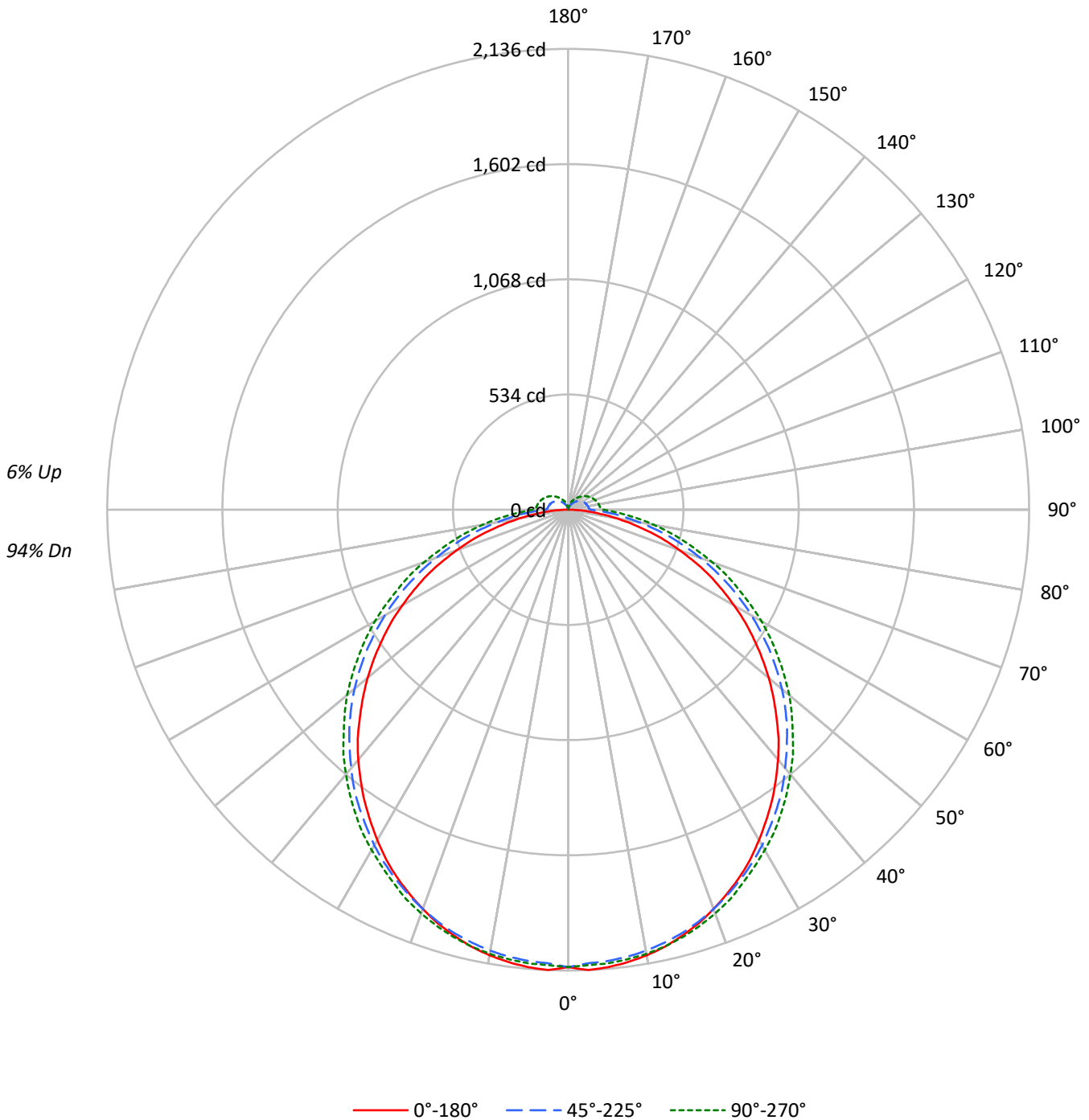
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6737.0 lumens
Efficiency: N/A
Efficacy: 140.4 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_{in}): 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°	11410	11410	11410
5°	11493	11224	11238
10°	11451	11107	11097
15°	11371	10970	10938
20°	11260	10803	10752
25°	11131	10620	10531
30°	10955	10434	10328
35°	10778	10214	10115
40°	10582	9972	9875
45°	10334	9732	9597
50°	10096	9458	9342
55°	9800	9119	8988
60°	9469	8731	8640
65°	9121	8267	8159
70°	8514	7684	7662
75°	7788	6997	7066
80°	6716	6086	6405
85°	5426	5304	5631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.1	3.0
10°-20°	576.9	8.6
20°-30°	874.3	13.0
30°-40°	1055.5	15.7
40°-50°	1102.2	16.4
50°-60°	1012.5	15.0
60°-70°	800.7	11.9
70°-80°	506.7	7.5
80°-90°	217.8	3.2
90°-100°	95.8	1.4
100°-110°	85.8	1.3
110°-120°	72.5	1.1
120°-130°	56.5	0.8
130°-140°	39.1	0.6
140°-150°	23.5	0.3
150°-160°	11.5	0.2
160°-170°	4.0	0.1
170°-180°	0.6	0.0
0°-30°	1652.3	24.5
0°-40°	2707.8	40.2
0°-60°	4822.5	71.6
0°-90°	6347.8	94.2
90°-120°	254.2	3.8
90°-150°	373.2	5.5
90°-180°	389.0	5.8
0°-180°	6737.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2120	2120	2120	2120	2120	
5°	2128	2122	2100	2118	2110	202
15°	2044	2044	2033	2054	2051	577
25°	1879	1887	1890	1915	1911	865
35°	1646	1666	1687	1713	1719	1029
45°	1365	1398	1434	1462	1471	1054
55°	1052	1095	1140	1178	1186	941
65°	724	765	818	857	870	713
75°	382	427	489	531	551	405
85°	93	143	205	249	265	103
90°	6	51	105	147	162	8
95°	1	44	95	134	148	1
105°	1	41	90	125	138	1
115°	1	35	81	113	125	1
125°	2	31	68	98	109	2
135°	2	24	55	78	87	2
145°	2	18	38	58	64	2
155°	2	12	25	37	44	1
165°	4	8	13	18	25	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°	2120.0	2120.0	2120.0	2120.0	2120.0
2.5°	2135.5	2128.4	2104.5	2121.2	2112.8
5°	2128.4	2122.4	2099.7	2117.6	2110.5
7.5°	2115.2	2110.5	2090.2	2109.3	2102.1
10°	2097.3	2093.8	2075.9	2095.0	2090.2
12.5°	2074.7	2073.5	2055.6	2077.1	2073.5
15°	2043.7	2043.7	2032.9	2054.4	2050.8
17.5°	2010.2	2011.4	2003.1	2025.8	2023.4
20°	1969.7	1975.7	1969.7	1993.5	1991.2
22.5°	1925.5	1933.9	1931.5	1955.4	1956.6
25°	1879.0	1887.4	1889.8	1914.8	1911.2
27.5°	1827.7	1840.8	1845.6	1868.3	1867.1
30°	1768.1	1786.0	1796.7	1815.8	1821.8
32.5°	1707.2	1728.7	1741.8	1768.1	1775.2
35°	1646.4	1665.5	1686.9	1713.2	1719.2
37.5°	1579.6	1601.0	1629.7	1654.7	1661.9
40°	1512.8	1536.6	1564.1	1591.5	1602.2
42.5°	1443.6	1468.6	1498.4	1530.7	1541.4
45°	1364.8	1398.2	1434.0	1461.5	1471.0
47.5°	1289.7	1326.6	1364.8	1394.6	1405.4
50°	1213.3	1252.7	1293.2	1320.7	1337.4
52.5°	1133.4	1176.3	1216.9	1251.5	1262.2
55°	1052.2	1095.2	1140.5	1177.5	1185.9
57.5°	973.5	1015.3	1060.6	1095.2	1111.9
60°	887.6	932.9	981.9	1016.5	1034.4
62.5°	804.1	848.2	900.7	937.7	952.0
65°	724.2	764.7	818.4	856.6	869.7
67.5°	635.9	682.4	733.7	777.9	794.6
70°	548.8	592.9	651.4	693.1	709.9
72.5°	467.7	510.6	569.1	610.8	626.3
75°	381.8	427.1	489.1	530.9	551.2
77.5°	299.4	349.6	409.2	454.5	477.2
80°	223.1	267.2	331.7	381.8	402.0
82.5°	151.5	199.2	266.0	312.6	335.2
85°	93.1	143.2	205.2	249.3	264.9
87.5°	44.1	91.9	149.1	192.1	211.2
90°	6.0	51.3	105.0	146.7	162.3
92.5°	1.2	44.1	96.6	136.0	150.3
95°	1.2	44.1	95.4	133.6	147.9
97.5°	1.2	42.9	94.2	132.4	145.5
100°	1.2	41.8	93.1	130.0	144.4
102.5°	1.2	41.8	90.7	127.7	140.8
105°	1.2	40.6	89.5	125.3	138.4
107.5°	1.2	39.4	87.1	122.9	136.0
110°	1.2	37.0	85.9	119.3	132.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	35.8	83.5	116.9	128.8
115°	1.2	34.6	81.1	113.3	125.3
117.5°	1.2	33.4	77.5	109.8	121.7
120°	2.4	33.4	75.2	106.2	116.9
122.5°	2.4	32.2	71.6	101.4	112.1
125°	2.4	31.0	68.0	97.8	108.6
127.5°	2.4	29.8	64.4	93.1	102.6
130°	2.4	27.4	62.0	88.3	97.8
132.5°	2.4	26.2	58.5	82.3	91.9
135°	2.4	23.9	54.9	77.5	87.1
137.5°	2.4	22.7	51.3	72.8	81.1
140°	2.4	21.5	46.5	68.0	76.4
142.5°	2.4	19.1	42.9	63.2	70.4
145°	2.4	17.9	38.2	58.5	64.4
147.5°	2.4	15.5	34.6	53.7	59.7
150°	2.4	14.3	31.0	48.9	54.9
152.5°	2.4	13.1	27.4	42.9	48.9
155°	2.4	11.9	25.1	37.0	44.1
157.5°	2.4	10.7	21.5	32.2	39.4
160°	3.6	9.5	19.1	27.4	33.4
162.5°	3.6	8.4	15.5	22.7	29.8
165°	3.6	8.4	13.1	17.9	25.1
167.5°	3.6	7.2	10.7	14.3	20.3
170°	3.6	6.0	9.5	10.7	15.5
172.5°	3.6	4.8	7.2	7.2	8.4
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)