

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: P567924

Luminaire Tested: **8SNX-66SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567924
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-66SL-FDL-UNV-L840-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

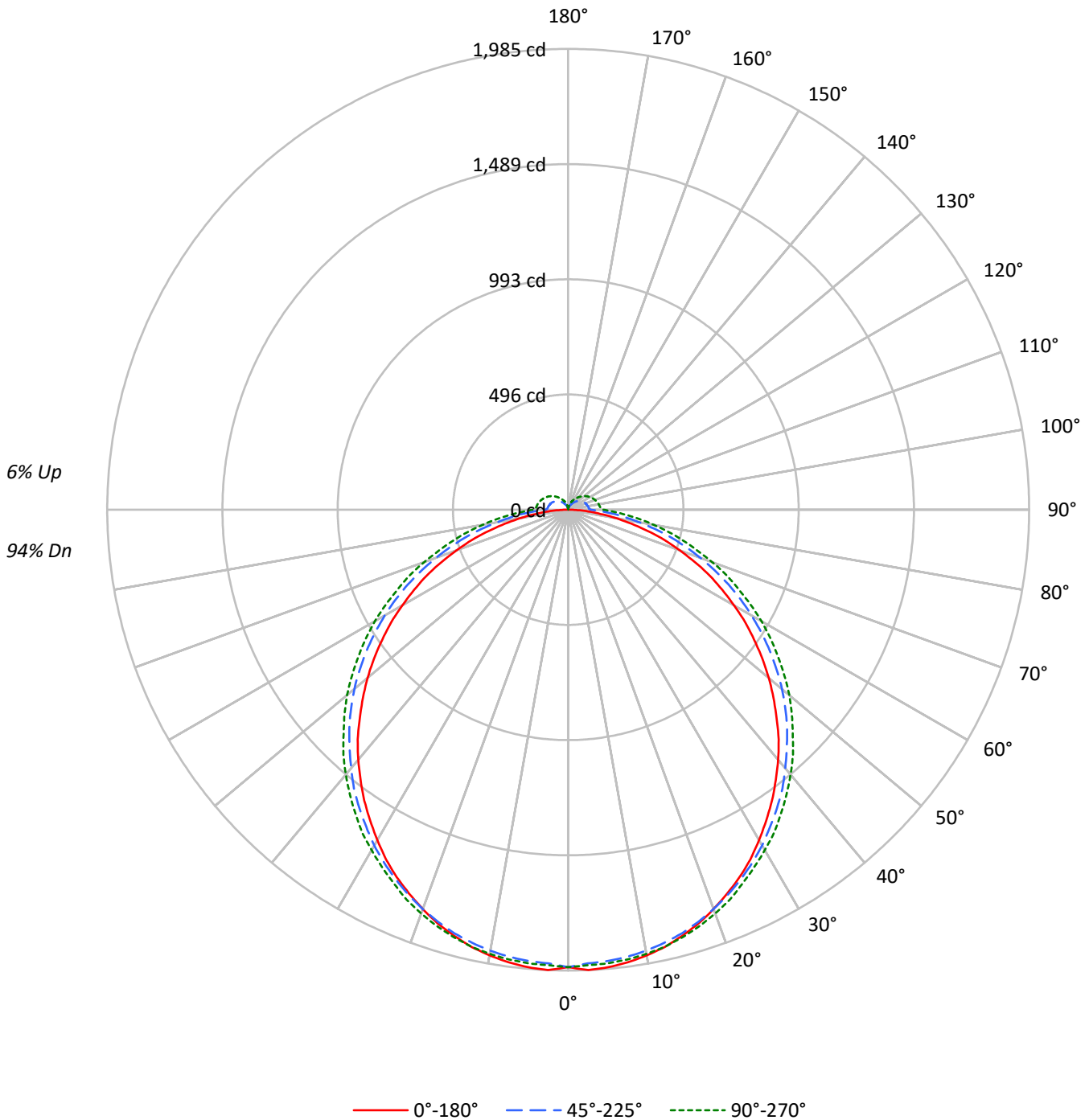
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6262.0 lumens
Efficiency: N/A
Efficacy: 148.4 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): 42.2
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°	10605	10605	10605
5°	10683	10433	10446
10°	10644	10323	10314
15°	10569	10196	10167
20°	10466	10041	9994
25°	10346	9871	9789
30°	10182	9698	9599
35°	10018	9494	9401
40°	9836	9269	9180
45°	9606	9046	8920
50°	9385	8792	8683
55°	9110	8476	8354
60°	8801	8115	8030
65°	8477	7685	7584
70°	7914	7143	7121
75°	7239	6505	6568
80°	6244	5656	5954
85°	5041	4929	5233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	3.0
10°-20°	536.3	8.6
20°-30°	812.7	13.0
30°-40°	981.0	15.7
40°-50°	1024.5	16.4
50°-60°	941.2	15.0
60°-70°	744.2	11.9
70°-80°	471.0	7.5
80°-90°	202.5	3.2
90°-100°	89.1	1.4
100°-110°	79.8	1.3
110°-120°	67.4	1.1
120°-130°	52.5	0.8
130°-140°	36.4	0.6
140°-150°	21.8	0.3
150°-160°	10.6	0.2
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	1535.8	24.5
0°-40°	2516.8	40.2
0°-60°	4482.5	71.6
0°-90°	5900.2	94.2
90°-120°	236.2	3.8
90°-150°	346.9	5.5
90°-180°	362.0	5.8
0°-180°	6262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1970	1970	1970	1970	1970	
5°	1978	1973	1952	1968	1962	188
15°	1900	1900	1890	1910	1906	536
25°	1746	1754	1756	1780	1776	804
35°	1530	1548	1568	1592	1598	957
45°	1269	1300	1333	1358	1367	980
55°	978	1018	1060	1094	1102	875
65°	673	711	761	796	808	663
75°	355	397	455	494	512	376
85°	86	133	191	232	246	96
90°	6	48	98	136	151	7
95°	1	41	89	124	138	1
105°	1	38	83	116	129	1
115°	1	32	75	105	116	1
125°	2	29	63	91	101	2
135°	2	22	51	72	81	2
145°	2	17	36	54	60	1
155°	2	11	23	34	41	1
165°	3	8	12	17	23	1
175°	3	4	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.5	1970.5	1970.5	1970.5	1970.5
2.5°	1984.9	1978.3	1956.1	1971.6	1963.9
5°	1978.3	1972.8	1951.7	1968.3	1961.7
7.5°	1966.1	1961.7	1942.8	1960.6	1953.9
10°	1949.5	1946.1	1929.5	1947.2	1942.8
12.5°	1928.4	1927.3	1910.7	1930.6	1927.3
15°	1899.6	1899.6	1889.6	1909.5	1906.2
17.5°	1868.5	1869.6	1861.9	1882.9	1880.7
20°	1830.8	1836.4	1830.8	1853.0	1850.8
22.5°	1789.8	1797.5	1795.3	1817.5	1818.6
25°	1746.5	1754.3	1756.5	1779.8	1776.5
27.5°	1698.9	1711.0	1715.5	1736.6	1735.4
30°	1643.4	1660.0	1670.0	1687.8	1693.3
32.5°	1586.9	1606.8	1619.0	1643.4	1650.1
35°	1530.3	1548.0	1568.0	1592.4	1597.9
37.5°	1468.2	1488.2	1514.8	1538.1	1544.7
40°	1406.1	1428.3	1453.8	1479.3	1489.3
42.5°	1341.8	1365.1	1392.8	1422.7	1432.7
45°	1268.6	1299.6	1332.9	1358.4	1367.3
47.5°	1198.7	1233.1	1268.6	1296.3	1306.3
50°	1127.8	1164.4	1202.1	1227.6	1243.1
52.5°	1053.5	1093.4	1131.1	1163.2	1173.2
55°	978.1	1018.0	1060.1	1094.5	1102.3
57.5°	904.9	943.7	985.8	1018.0	1033.5
60°	825.0	867.2	912.6	944.8	961.4
62.5°	747.4	788.4	837.2	871.6	884.9
65°	673.1	710.8	760.7	796.2	808.4
67.5°	591.0	634.3	682.0	723.0	738.5
70°	510.1	551.1	605.5	644.3	659.8
72.5°	434.7	474.6	529.0	567.8	582.2
75°	354.9	397.0	454.7	493.5	512.3
77.5°	278.3	324.9	380.4	422.5	443.6
80°	207.4	248.4	308.3	354.9	373.7
82.5°	140.8	185.2	247.3	290.5	311.6
85°	86.5	133.1	190.7	231.8	246.2
87.5°	41.0	85.4	138.6	178.5	196.3
90°	5.5	47.7	97.6	136.4	150.8
92.5°	1.1	41.0	89.8	126.4	139.7
95°	1.1	41.0	88.7	124.2	137.5
97.5°	1.1	39.9	87.6	123.1	135.3
100°	1.1	38.8	86.5	120.9	134.2
102.5°	1.1	38.8	84.3	118.7	130.9
105°	1.1	37.7	83.2	116.4	128.6
107.5°	1.1	36.6	81.0	114.2	126.4
110°	1.1	34.4	79.8	110.9	123.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	33.3	77.6	108.7	119.8
115°	1.1	32.2	75.4	105.3	116.4
117.5°	1.1	31.0	72.1	102.0	113.1
120°	2.2	31.0	69.9	98.7	108.7
122.5°	2.2	29.9	66.5	94.3	104.2
125°	2.2	28.8	63.2	90.9	100.9
127.5°	2.2	27.7	59.9	86.5	95.4
130°	2.2	25.5	57.7	82.1	90.9
132.5°	2.2	24.4	54.3	76.5	85.4
135°	2.2	22.2	51.0	72.1	81.0
137.5°	2.2	21.1	47.7	67.6	75.4
140°	2.2	20.0	43.2	63.2	71.0
142.5°	2.2	17.7	39.9	58.8	65.4
145°	2.2	16.6	35.5	54.3	59.9
147.5°	2.2	14.4	32.2	49.9	55.4
150°	2.2	13.3	28.8	45.5	51.0
152.5°	2.2	12.2	25.5	39.9	45.5
155°	2.2	11.1	23.3	34.4	41.0
157.5°	2.2	10.0	20.0	29.9	36.6
160°	3.3	8.9	17.7	25.5	31.0
162.5°	3.3	7.8	14.4	21.1	27.7
165°	3.3	7.8	12.2	16.6	23.3
167.5°	3.3	6.7	10.0	13.3	18.9
170°	3.3	5.5	8.9	10.0	14.4
172.5°	3.3	4.4	6.7	6.7	7.8
175°	3.3	4.4	5.5	5.5	3.3
177.5°	3.3	3.3	3.3	3.3	2.2
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)