

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: P567929

Luminaire Tested: **8SNX-66SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

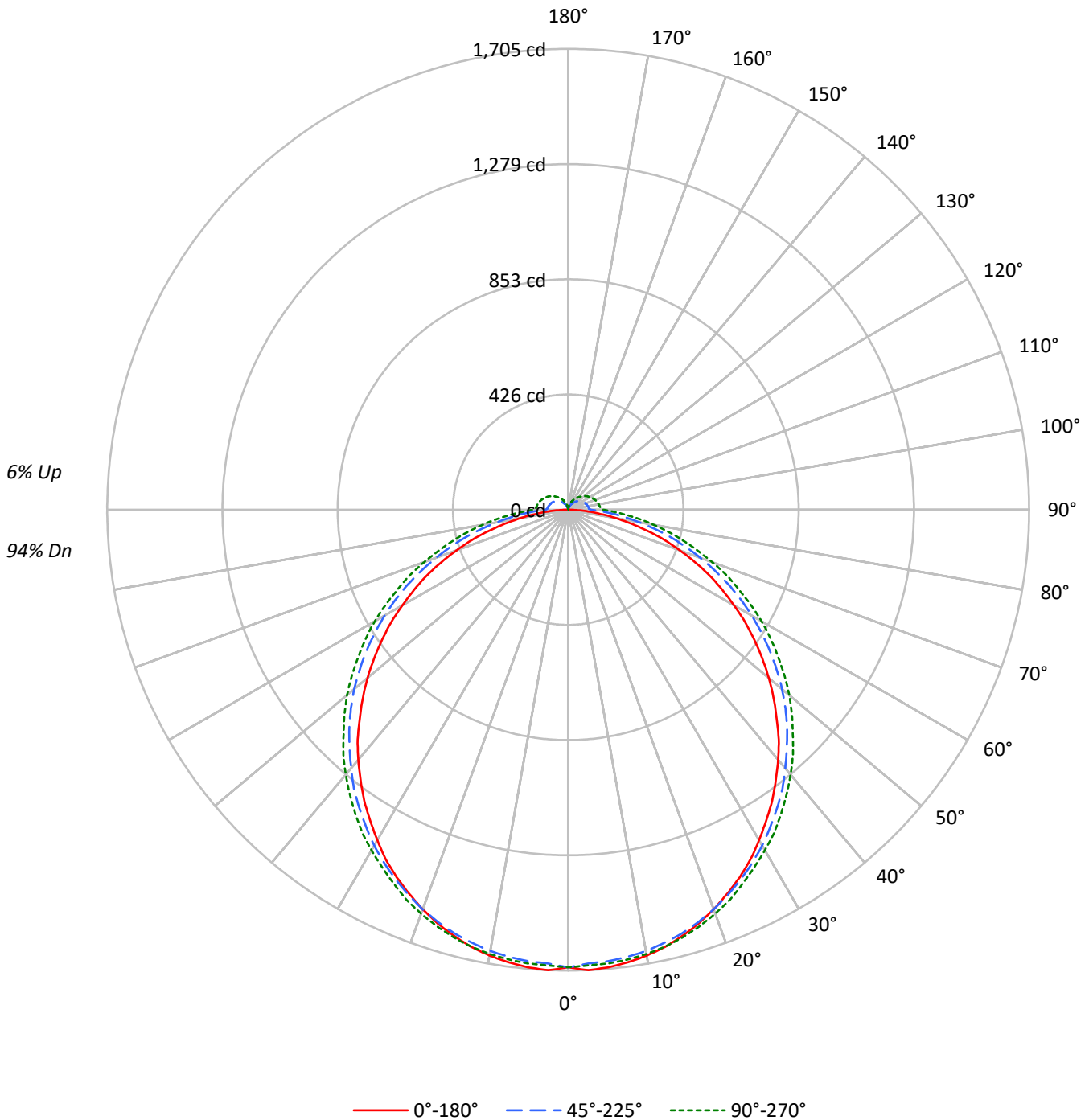
Test Method: LM-79-08  
Report Number: P567929  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-66SL-FDL-UNV-L950-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5380.0 lumens  
Efficiency: N/A  
Efficacy: 127.5 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<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°	9112	9112	9112
5°	9178	8964	8975
10°	9145	8869	8862
15°	9081	8760	8735
20°	8992	8627	8586
25°	8889	8481	8410
30°	8748	8332	8247
35°	8607	8157	8078
40°	8450	7963	7886
45°	8253	7772	7664
50°	8062	7553	7460
55°	7826	7282	7177
60°	7561	6972	6899
65°	7283	6603	6516
70°	6800	6137	6119
75°	6219	5588	5643
80°	5365	4860	5116
85°	4330	4236	4496



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.6	3.0
10°-20°	460.7	8.6
20°-30°	698.2	13.0
30°-40°	842.9	15.7
40°-50°	880.2	16.4
50°-60°	808.6	15.0
60°-70°	639.4	11.9
70°-80°	404.7	7.5
80°-90°	174.0	3.2
90°-100°	76.6	1.4
100°-110°	68.5	1.3
110°-120°	57.9	1.1
120°-130°	45.1	0.8
130°-140°	31.2	0.6
140°-150°	18.7	0.3
150°-160°	9.1	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1319.5	24.5
0°-40°	2162.3	40.2
0°-60°	3851.1	71.6
0°-90°	5069.2	94.2
90°-120°	203.0	3.8
90°-150°	298.1	5.5
90°-180°	311.0	5.8
0°-180°	5380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1700	1695	1677	1691	1685	161
15°	1632	1632	1623	1641	1638	460
25°	1500	1507	1509	1529	1526	691
35°	1315	1330	1347	1368	1373	822
45°	1090	1117	1145	1167	1175	842
55°	840	875	911	940	947	752
65°	578	611	654	684	694	569
75°	305	341	391	424	440	323
85°	74	114	164	199	212	82
90°	5	41	84	117	130	6
95°	1	35	76	107	118	1
105°	1	32	72	100	110	1
115°	1	28	65	90	100	1
125°	2	25	54	78	87	2
135°	2	19	44	62	70	1
145°	2	14	30	47	51	1
155°	2	10	20	30	35	1
165°	3	7	10	14	20	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°	1693.0	1693.0	1693.0	1693.0	1693.0
2.5°	1705.4	1699.7	1680.6	1693.9	1687.3
5°	1699.7	1694.9	1676.8	1691.1	1685.4
7.5°	1689.2	1685.4	1669.2	1684.4	1678.7
10°	1674.9	1672.0	1657.7	1673.0	1669.2
12.5°	1656.8	1655.8	1641.5	1658.7	1655.8
15°	1632.0	1632.0	1623.4	1640.6	1637.7
17.5°	1605.3	1606.3	1599.6	1617.7	1615.8
20°	1572.9	1577.7	1572.9	1592.0	1590.1
22.5°	1537.7	1544.4	1542.5	1561.5	1562.5
25°	1500.5	1507.2	1509.1	1529.1	1526.3
27.5°	1459.6	1470.0	1473.9	1492.0	1491.0
30°	1411.9	1426.2	1434.8	1450.0	1454.8
32.5°	1363.3	1380.5	1391.0	1411.9	1417.6
35°	1314.8	1330.0	1347.1	1368.1	1372.9
37.5°	1261.4	1278.6	1301.4	1321.4	1327.1
40°	1208.0	1227.1	1249.0	1270.9	1279.5
42.5°	1152.8	1172.8	1196.6	1222.3	1230.9
45°	1089.9	1116.6	1145.2	1167.1	1174.7
47.5°	1029.9	1059.4	1089.9	1113.7	1122.3
50°	968.9	1000.4	1032.7	1054.7	1068.0
52.5°	905.1	939.4	971.8	999.4	1008.0
55°	840.3	874.6	910.8	940.3	947.0
57.5°	777.4	810.8	847.0	874.6	887.9
60°	708.8	745.0	784.1	811.7	826.0
62.5°	642.1	677.4	719.3	748.8	760.3
65°	578.3	610.7	653.6	684.1	694.5
67.5°	507.8	545.0	585.9	621.2	634.5
70°	438.3	473.5	520.2	553.5	566.9
72.5°	373.5	407.8	454.4	487.8	500.2
75°	304.9	341.1	390.6	424.0	440.2
77.5°	239.1	279.1	326.8	363.0	381.1
80°	178.2	213.4	264.9	304.9	321.1
82.5°	121.0	159.1	212.5	249.6	267.7
85°	74.3	114.3	163.9	199.1	211.5
87.5°	35.3	73.4	119.1	153.4	168.6
90°	4.8	41.0	83.8	117.2	129.6
92.5°	1.0	35.3	77.2	108.6	120.0
95°	1.0	35.3	76.2	106.7	118.1
97.5°	1.0	34.3	75.3	105.8	116.2
100°	1.0	33.3	74.3	103.8	115.3
102.5°	1.0	33.3	72.4	101.9	112.4
105°	1.0	32.4	71.5	100.0	110.5
107.5°	1.0	31.4	69.5	98.1	108.6
110°	1.0	29.5	68.6	95.3	105.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	28.6	66.7	93.4	102.9
115°	1.0	27.6	64.8	90.5	100.0
117.5°	1.0	26.7	61.9	87.7	97.2
120°	1.9	26.7	60.0	84.8	93.4
122.5°	1.9	25.7	57.2	81.0	89.6
125°	1.9	24.8	54.3	78.1	86.7
127.5°	1.9	23.8	51.4	74.3	81.9
130°	1.9	21.9	49.5	70.5	78.1
132.5°	1.9	21.0	46.7	65.7	73.4
135°	1.9	19.1	43.8	61.9	69.5
137.5°	1.9	18.1	41.0	58.1	64.8
140°	1.9	17.1	37.2	54.3	61.0
142.5°	1.9	15.2	34.3	50.5	56.2
145°	1.9	14.3	30.5	46.7	51.4
147.5°	1.9	12.4	27.6	42.9	47.6
150°	1.9	11.4	24.8	39.1	43.8
152.5°	1.9	10.5	21.9	34.3	39.1
155°	1.9	9.5	20.0	29.5	35.3
157.5°	1.9	8.6	17.1	25.7	31.4
160°	2.9	7.6	15.2	21.9	26.7
162.5°	2.9	6.7	12.4	18.1	23.8
165°	2.9	6.7	10.5	14.3	20.0
167.5°	2.9	5.7	8.6	11.4	16.2
170°	2.9	4.8	7.6	8.6	12.4
172.5°	2.9	3.8	5.7	5.7	6.7
175°	2.9	3.8	4.8	4.8	2.9
177.5°	2.9	2.9	2.9	2.9	1.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)