

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: P567923

Luminaire Tested: **8SNX-66SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567923
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-L835-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

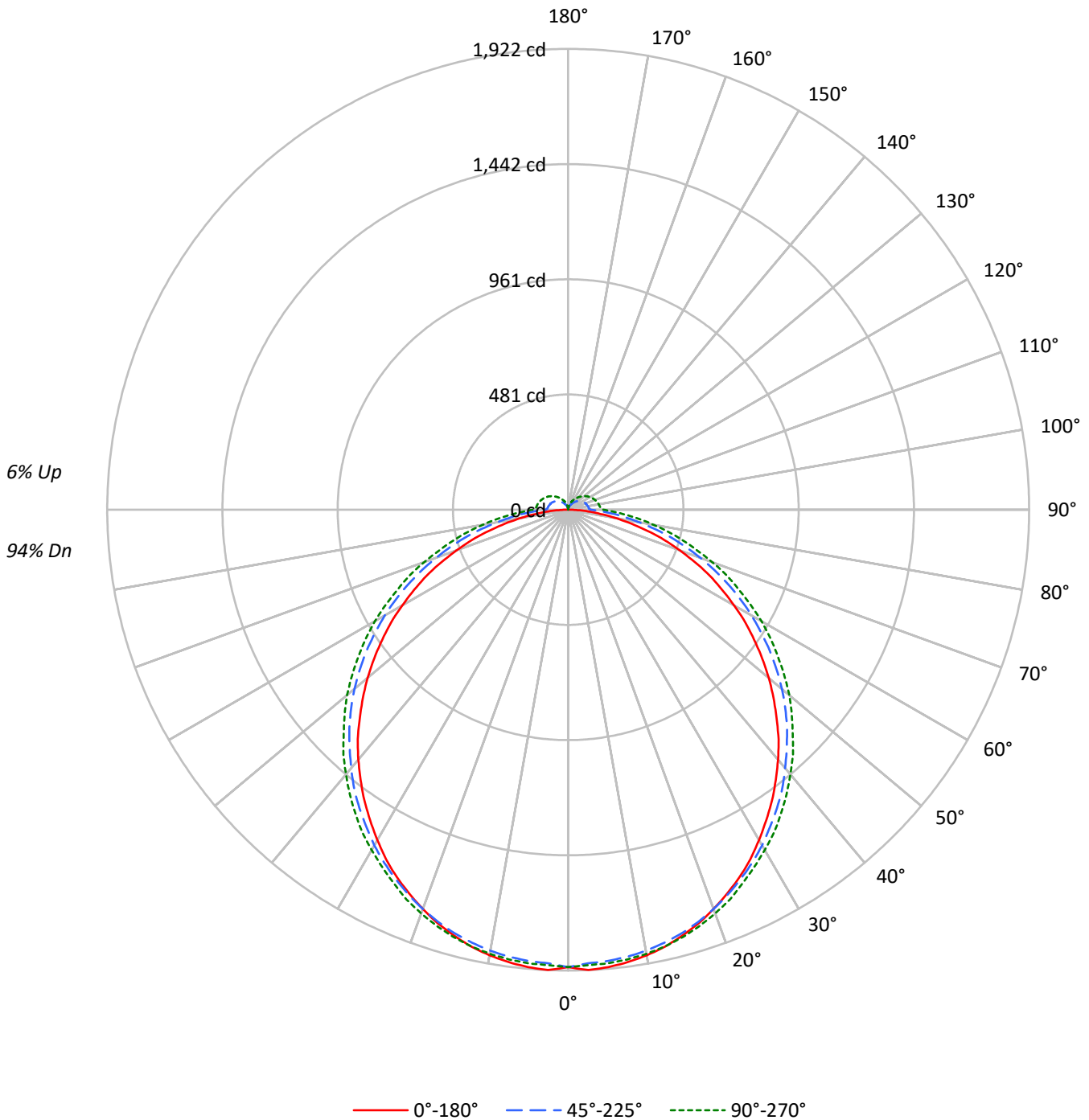
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6062.0 lumens
Efficiency: N/A
Efficacy: 143.6 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 (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

TEST NUMBER: P567923
CATALOG NUMBER: 8SNX-66SL-FDL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567923

CATALOG NUMBER: 8SNX-66SL-FDL-UNV-L835-CD

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°	10267	10267	10267
5°	10342	10100	10112
10°	10304	9994	9985
15°	10232	9871	9842
20°	10131	9721	9675
25°	10016	9556	9476
30°	9857	9388	9293
35°	9698	9191	9101
40°	9522	8972	8886
45°	9299	8757	8635
50°	9084	8511	8406
55°	8818	8206	8088
60°	8520	7856	7774
65°	8206	7439	7342
70°	7661	6914	6894
75°	7007	6296	6359
80°	6042	5475	5765
85°	4878	4771	5065



TEST NUMBER: P567923

CATALOG NUMBER: 8SNX-66SL-FDL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	3.0
10°-20°	519.1	8.6
20°-30°	786.7	13.0
30°-40°	949.7	15.7
40°-50°	991.7	16.4
50°-60°	911.1	15.0
60°-70°	720.5	11.9
70°-80°	456.0	7.5
80°-90°	196.0	3.2
90°-100°	86.3	1.4
100°-110°	77.2	1.3
110°-120°	65.2	1.1
120°-130°	50.8	0.8
130°-140°	35.2	0.6
140°-150°	21.1	0.3
150°-160°	10.3	0.2
160°-170°	3.6	0.1
170°-180°	0.5	0.0
0°-30°	1486.8	24.5
0°-40°	2436.5	40.2
0°-60°	4339.3	71.6
0°-90°	5711.8	94.2
90°-120°	228.7	3.8
90°-150°	335.8	5.5
90°-180°	350.0	5.8
0°-180°	6062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1915	1910	1889	1906	1899	182
15°	1839	1839	1829	1849	1845	519
25°	1691	1698	1700	1723	1720	779
35°	1481	1499	1518	1542	1547	926
45°	1228	1258	1290	1315	1324	948
55°	947	986	1026	1060	1067	847
65°	652	688	736	771	783	642
75°	344	384	440	478	496	364
85°	84	129	185	224	238	93
90°	5	46	94	132	146	7
95°	1	40	86	120	133	1
105°	1	36	80	113	124	1
115°	1	31	73	102	113	1
125°	2	28	61	88	98	2
135°	2	22	49	70	78	2
145°	2	16	34	53	58	1
155°	2	11	22	33	40	1
165°	3	8	12	16	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567923

CATALOG NUMBER: 8SNX-66SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1907.6	1907.6	1907.6	1907.6	1907.6
2.5°	1921.6	1915.1	1893.6	1908.7	1901.2
5°	1915.1	1909.7	1889.3	1905.5	1899.0
7.5°	1903.3	1899.0	1880.8	1897.9	1891.5
10°	1887.2	1884.0	1867.9	1885.1	1880.8
12.5°	1866.8	1865.7	1849.6	1869.0	1865.7
15°	1838.9	1838.9	1829.2	1848.6	1845.3
17.5°	1808.8	1809.9	1802.4	1822.8	1820.6
20°	1772.3	1777.7	1772.3	1793.8	1791.7
22.5°	1732.6	1740.1	1738.0	1759.5	1760.5
25°	1690.8	1698.3	1700.4	1723.0	1719.7
27.5°	1644.6	1656.4	1660.7	1681.1	1680.0
30°	1590.9	1607.0	1616.7	1633.9	1639.2
32.5°	1536.2	1555.5	1567.3	1590.9	1597.4
35°	1481.4	1498.6	1517.9	1541.5	1546.9
37.5°	1421.3	1440.6	1466.4	1488.9	1495.4
40°	1361.2	1382.7	1407.3	1432.0	1441.7
42.5°	1298.9	1321.5	1348.3	1377.3	1387.0
45°	1228.1	1258.1	1290.3	1315.0	1323.6
47.5°	1160.4	1193.7	1228.1	1254.9	1264.6
50°	1091.7	1127.2	1163.7	1188.4	1203.4
52.5°	1019.8	1058.5	1095.0	1126.1	1135.8
55°	946.8	985.5	1026.3	1059.5	1067.1
57.5°	876.0	913.5	954.3	985.5	1000.5
60°	798.7	839.5	883.5	914.6	930.7
62.5°	723.5	763.3	810.5	843.8	856.6
65°	651.6	688.1	736.4	770.8	782.6
67.5°	572.2	614.0	660.2	699.9	714.9
70°	493.8	533.5	586.1	623.7	638.7
72.5°	420.8	459.5	512.1	549.6	563.6
75°	343.5	384.3	440.1	477.7	496.0
77.5°	269.4	314.5	368.2	409.0	429.4
80°	200.7	240.5	298.4	343.5	361.8
82.5°	136.3	179.3	239.4	281.3	301.7
85°	83.7	128.8	184.6	224.4	238.3
87.5°	39.7	82.7	134.2	172.8	190.0
90°	5.4	46.2	94.5	132.0	146.0
92.5°	1.1	39.7	87.0	122.4	135.3
95°	1.1	39.7	85.9	120.2	133.1
97.5°	1.1	38.6	84.8	119.2	131.0
100°	1.1	37.6	83.7	117.0	129.9
102.5°	1.1	37.6	81.6	114.9	126.7
105°	1.1	36.5	80.5	112.7	124.5
107.5°	1.1	35.4	78.4	110.6	122.4
110°	1.1	33.3	77.3	107.3	119.2



TEST NUMBER: P567923

CATALOG NUMBER: 8SNX-66SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	32.2	75.1	105.2	115.9
115°	1.1	31.1	73.0	102.0	112.7
117.5°	1.1	30.1	69.8	98.8	109.5
120°	2.1	30.1	67.6	95.5	105.2
122.5°	2.1	29.0	64.4	91.2	100.9
125°	2.1	27.9	61.2	88.0	97.7
127.5°	2.1	26.8	58.0	83.7	92.3
130°	2.1	24.7	55.8	79.4	88.0
132.5°	2.1	23.6	52.6	74.1	82.7
135°	2.1	21.5	49.4	69.8	78.4
137.5°	2.1	20.4	46.2	65.5	73.0
140°	2.1	19.3	41.9	61.2	68.7
142.5°	2.1	17.2	38.6	56.9	63.3
145°	2.1	16.1	34.4	52.6	58.0
147.5°	2.1	14.0	31.1	48.3	53.7
150°	2.1	12.9	27.9	44.0	49.4
152.5°	2.1	11.8	24.7	38.6	44.0
155°	2.1	10.7	22.5	33.3	39.7
157.5°	2.1	9.7	19.3	29.0	35.4
160°	3.2	8.6	17.2	24.7	30.1
162.5°	3.2	7.5	14.0	20.4	26.8
165°	3.2	7.5	11.8	16.1	22.5
167.5°	3.2	6.4	9.7	12.9	18.2
170°	3.2	5.4	8.6	9.7	14.0
172.5°	3.2	4.3	6.4	6.4	7.5
175°	3.2	4.3	5.4	5.4	3.2
177.5°	3.2	3.2	3.2	3.2	2.1
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)