

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: P567922

Luminaire Tested: **8SNX-66SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567922
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-L830-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

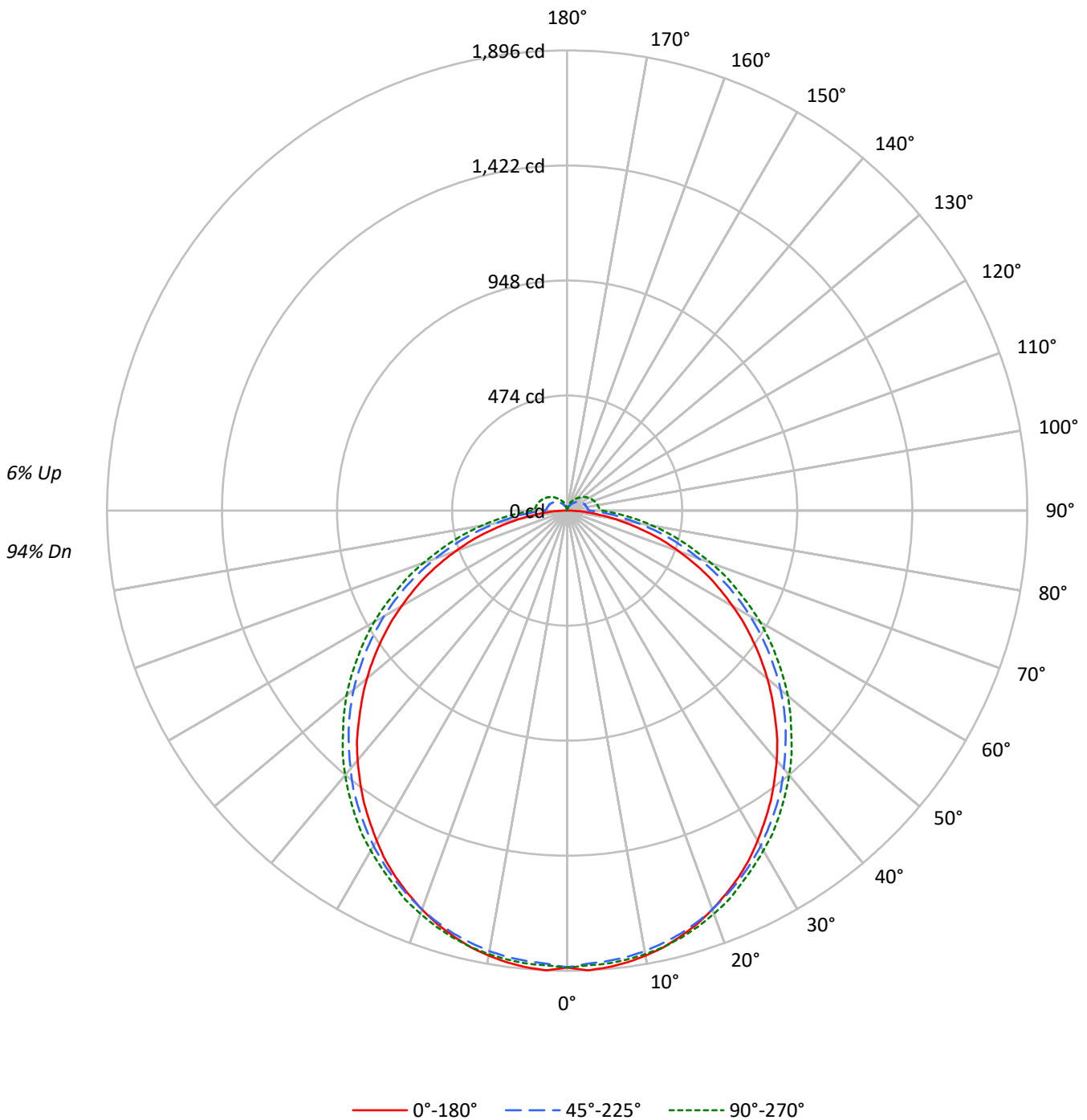
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5982.0 lumens
Efficiency: N/A
Efficacy: 141.8 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

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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°	10131	10131	10131
5°	10205	9966	9978
10°	10168	9862	9853
15°	10097	9740	9713
20°	9998	9592	9547
25°	9884	9430	9351
30°	9727	9264	9170
35°	9570	9070	8981
40°	9396	8854	8769
45°	9176	8641	8521
50°	8964	8398	8295
55°	8702	8097	7981
60°	8407	7752	7671
65°	8098	7341	7244
70°	7560	6823	6803
75°	6915	6213	6274
80°	5964	5403	5688
85°	4814	4709	5000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.5	3.0
10°-20°	512.3	8.6
20°-30°	776.3	13.0
30°-40°	937.2	15.7
40°-50°	978.6	16.4
50°-60°	899.1	15.0
60°-70°	711.0	11.9
70°-80°	450.0	7.5
80°-90°	193.4	3.2
90°-100°	85.1	1.4
100°-110°	76.2	1.3
110°-120°	64.4	1.1
120°-130°	50.2	0.8
130°-140°	34.7	0.6
140°-150°	20.8	0.3
150°-160°	10.2	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1467.1	24.5
0°-40°	2404.3	40.2
0°-60°	4282.0	71.6
0°-90°	5636.4	94.2
90°-120°	225.7	3.8
90°-150°	331.4	5.5
90°-180°	346.0	5.8
0°-180°	5982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1882	1882	1882	1882	1882	
5°	1890	1884	1864	1880	1874	179
15°	1815	1815	1805	1824	1821	512
25°	1668	1676	1678	1700	1697	768
35°	1462	1479	1498	1521	1526	914
45°	1212	1242	1273	1298	1306	936
55°	934	972	1013	1046	1053	836
65°	643	679	727	761	772	633
75°	339	379	434	471	489	359
85°	83	127	182	221	235	91
90°	5	46	93	130	144	7
95°	1	39	85	119	131	1
105°	1	36	79	111	123	1
115°	1	31	72	101	111	1
125°	2	28	60	87	96	2
135°	2	21	49	69	77	2
145°	2	16	34	52	57	1
155°	2	11	22	33	39	1
165°	3	7	12	16	22	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°	1882.4	1882.4	1882.4	1882.4	1882.4
2.5°	1896.2	1889.8	1868.7	1883.5	1876.1
5°	1889.8	1884.5	1864.4	1880.3	1873.9
7.5°	1878.2	1873.9	1855.9	1872.9	1866.5
10°	1862.3	1859.1	1843.2	1860.2	1855.9
12.5°	1842.2	1841.1	1825.2	1844.3	1841.1
15°	1814.6	1814.6	1805.1	1824.2	1821.0
17.5°	1785.0	1786.0	1778.6	1798.7	1796.6
20°	1748.9	1754.2	1748.9	1770.1	1768.0
22.5°	1709.8	1717.2	1715.0	1736.2	1737.3
25°	1668.4	1675.9	1678.0	1700.2	1697.0
27.5°	1622.9	1634.5	1638.8	1658.9	1657.8
30°	1569.9	1585.8	1595.3	1612.3	1617.6
32.5°	1515.9	1535.0	1546.6	1569.9	1576.3
35°	1461.9	1478.8	1497.9	1521.2	1526.5
37.5°	1402.5	1421.6	1447.0	1469.3	1475.6
40°	1343.2	1364.4	1388.8	1413.1	1422.7
42.5°	1281.8	1304.0	1330.5	1359.1	1368.6
45°	1211.9	1241.5	1273.3	1297.7	1306.1
47.5°	1145.1	1178.0	1211.9	1238.4	1247.9
50°	1077.3	1112.3	1148.3	1172.7	1187.5
52.5°	1006.4	1044.5	1080.5	1111.2	1120.8
55°	934.3	972.5	1012.7	1045.6	1053.0
57.5°	864.4	901.5	941.7	972.5	987.3
60°	788.1	828.4	871.8	902.5	918.4
62.5°	714.0	753.2	799.8	832.6	845.3
65°	643.0	679.0	726.7	760.6	772.2
67.5°	564.6	605.9	651.5	690.7	705.5
70°	487.3	526.5	578.4	615.5	630.3
72.5°	415.3	453.4	505.3	542.4	556.1
75°	339.0	379.2	434.3	471.4	489.4
77.5°	265.9	310.4	363.3	403.6	423.7
80°	198.1	237.3	294.5	339.0	357.0
82.5°	134.5	176.9	236.2	277.5	297.7
85°	82.6	127.1	182.2	221.4	235.2
87.5°	39.2	81.6	132.4	170.6	187.5
90°	5.3	45.6	93.2	130.3	144.1
92.5°	1.1	39.2	85.8	120.8	133.5
95°	1.1	39.2	84.7	118.6	131.4
97.5°	1.1	38.1	83.7	117.6	129.2
100°	1.1	37.1	82.6	115.5	128.2
102.5°	1.1	37.1	80.5	113.3	125.0
105°	1.1	36.0	79.4	111.2	122.9
107.5°	1.1	35.0	77.3	109.1	120.8
110°	1.1	32.8	76.3	105.9	117.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	31.8	74.2	103.8	114.4
115°	1.1	30.7	72.0	100.6	111.2
117.5°	1.1	29.7	68.9	97.5	108.1
120°	2.1	29.7	66.7	94.3	103.8
122.5°	2.1	28.6	63.6	90.0	99.6
125°	2.1	27.5	60.4	86.9	96.4
127.5°	2.1	26.5	57.2	82.6	91.1
130°	2.1	24.4	55.1	78.4	86.9
132.5°	2.1	23.3	51.9	73.1	81.6
135°	2.1	21.2	48.7	68.9	77.3
137.5°	2.1	20.1	45.6	64.6	72.0
140°	2.1	19.1	41.3	60.4	67.8
142.5°	2.1	16.9	38.1	56.1	62.5
145°	2.1	15.9	33.9	51.9	57.2
147.5°	2.1	13.8	30.7	47.7	53.0
150°	2.1	12.7	27.5	43.4	48.7
152.5°	2.1	11.7	24.4	38.1	43.4
155°	2.1	10.6	22.2	32.8	39.2
157.5°	2.1	9.5	19.1	28.6	35.0
160°	3.2	8.5	16.9	24.4	29.7
162.5°	3.2	7.4	13.8	20.1	26.5
165°	3.2	7.4	11.7	15.9	22.2
167.5°	3.2	6.4	9.5	12.7	18.0
170°	3.2	5.3	8.5	9.5	13.8
172.5°	3.2	4.2	6.4	6.4	7.4
175°	3.2	4.2	5.3	5.3	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)