

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: P567876

Luminaire Tested: **8SNX-62SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567876
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-62SL-FDL-UNV-L840-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

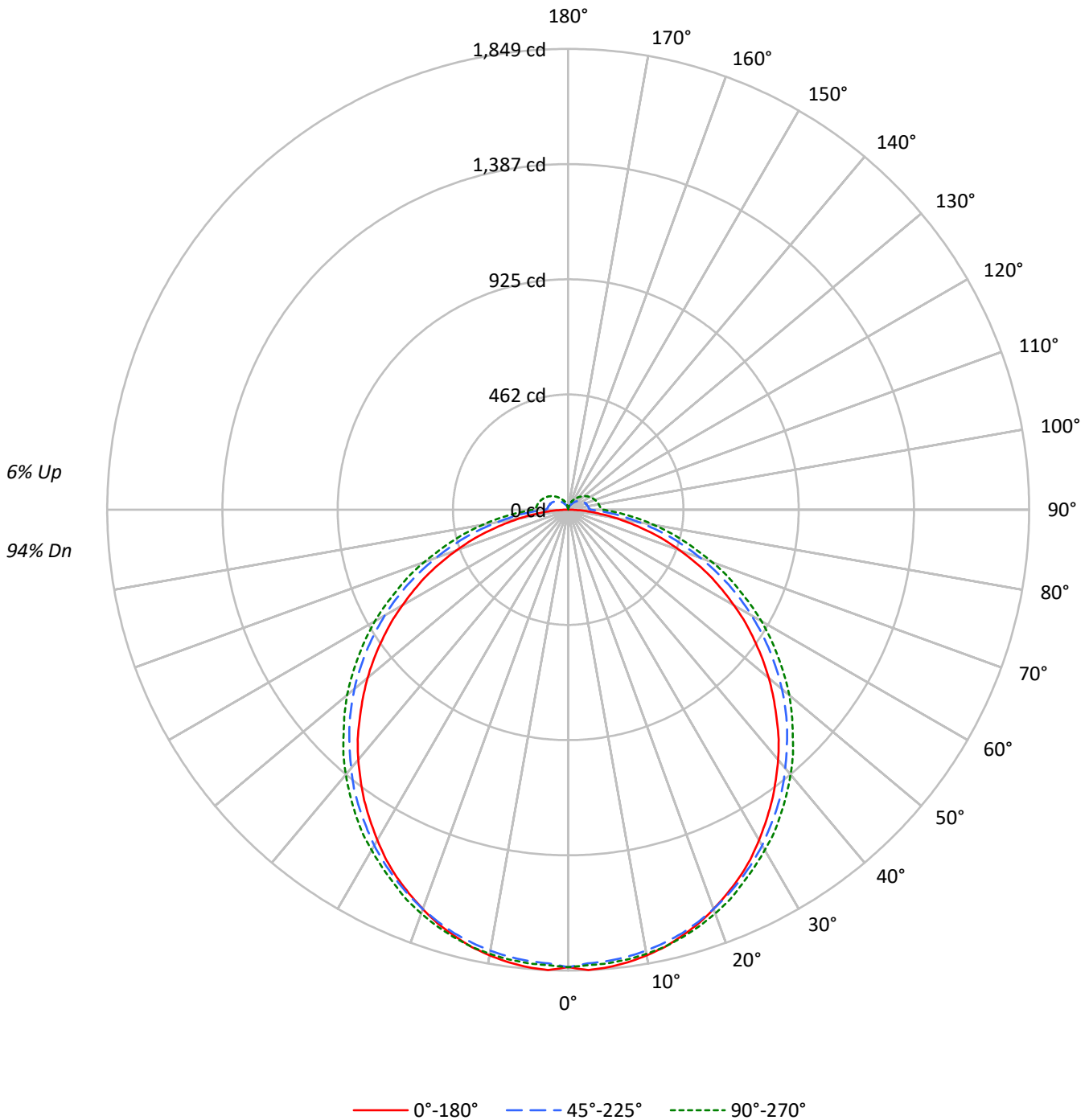
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833.1 lumens
Efficiency: N/A
Efficacy: 149.6 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): 39
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	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°	9879	9879	9879
5°	9951	9718	9730
10°	9915	9616	9608
15°	9845	9498	9470
20°	9749	9354	9309
25°	9638	9195	9118
30°	9485	9033	8942
35°	9332	8844	8758
40°	9162	8634	8550
45°	8948	8426	8309
50°	8741	8189	8088
55°	8486	7895	7781
60°	8198	7559	7481
65°	7897	7158	7064
70°	7372	6653	6634
75°	6741	6058	6118
80°	5816	5269	5546
85°	4697	4593	4874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	3.0
10°-20°	499.5	8.6
20°-30°	757.0	13.0
30°-40°	913.8	15.7
40°-50°	954.3	16.4
50°-60°	876.7	15.0
60°-70°	693.3	11.9
70°-80°	438.8	7.5
80°-90°	188.6	3.2
90°-100°	83.0	1.4
100°-110°	74.3	1.3
110°-120°	62.7	1.1
120°-130°	48.9	0.8
130°-140°	33.9	0.6
140°-150°	20.3	0.3
150°-160°	9.9	0.2
160°-170°	3.4	0.1
170°-180°	0.5	0.0
0°-30°	1430.6	24.5
0°-40°	2344.4	40.2
0°-60°	4175.4	71.6
0°-90°	5496.0	94.2
90°-120°	220.1	3.8
90°-150°	323.2	5.5
90°-180°	337.0	5.8
0°-180°	5833.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1843	1838	1818	1834	1827	175
15°	1769	1769	1760	1779	1776	499
25°	1627	1634	1636	1658	1655	749
35°	1426	1442	1461	1483	1488	891
45°	1182	1211	1242	1265	1274	913
55°	911	948	988	1020	1027	815
65°	627	662	709	742	753	617
75°	330	370	424	460	477	350
85°	81	124	178	216	229	89
90°	5	44	91	127	140	7
95°	1	38	83	116	128	1
105°	1	35	78	108	120	1
115°	1	30	70	98	108	1
125°	2	27	59	85	94	2
135°	2	21	48	67	75	2
145°	2	16	33	51	56	1
155°	2	10	22	32	38	1
165°	3	7	11	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°	1835.5	1835.5	1835.5	1835.5	1835.5
2.5°	1849.0	1842.8	1822.1	1836.6	1829.3
5°	1842.8	1837.6	1818.0	1833.5	1827.3
7.5°	1831.4	1827.3	1809.7	1826.2	1820.0
10°	1815.9	1812.8	1797.3	1813.8	1809.7
12.5°	1796.3	1795.3	1779.8	1798.3	1795.3
15°	1769.4	1769.4	1760.1	1778.7	1775.6
17.5°	1740.5	1741.5	1734.3	1753.9	1751.9
20°	1705.4	1710.5	1705.4	1726.0	1724.0
22.5°	1667.2	1674.4	1672.3	1693.0	1694.0
25°	1626.9	1634.1	1636.2	1657.9	1654.8
27.5°	1582.5	1593.8	1598.0	1617.6	1616.6
30°	1530.8	1546.3	1555.6	1572.1	1577.3
32.5°	1478.1	1496.7	1508.1	1530.8	1537.0
35°	1425.5	1442.0	1460.6	1483.3	1488.5
37.5°	1367.6	1386.2	1411.0	1432.7	1438.9
40°	1309.8	1330.4	1354.2	1377.9	1387.2
42.5°	1249.9	1271.5	1297.4	1325.3	1334.6
45°	1181.7	1210.6	1241.6	1265.4	1273.6
47.5°	1116.6	1148.6	1181.7	1207.5	1216.8
50°	1050.5	1084.6	1119.7	1143.5	1157.9
52.5°	981.3	1018.5	1053.6	1083.6	1092.9
55°	911.1	948.2	987.5	1019.5	1026.7
57.5°	842.9	879.0	918.3	948.2	962.7
60°	768.5	807.8	850.1	880.1	895.6
62.5°	696.2	734.4	779.9	811.9	824.3
65°	627.0	662.1	708.6	741.7	753.0
67.5°	550.6	590.8	635.3	673.5	687.9
70°	475.2	513.4	564.0	600.1	614.6
72.5°	404.9	442.1	492.7	528.9	542.3
75°	330.5	369.8	423.5	459.7	477.2
77.5°	259.3	302.7	354.3	393.6	413.2
80°	193.2	231.4	287.2	330.5	348.1
82.5°	131.2	172.5	230.3	270.6	290.3
85°	80.6	124.0	177.7	215.9	229.3
87.5°	38.2	79.5	129.1	166.3	182.8
90°	5.2	44.4	90.9	127.1	140.5
92.5°	1.0	38.2	83.7	117.8	130.2
95°	1.0	38.2	82.6	115.7	128.1
97.5°	1.0	37.2	81.6	114.7	126.0
100°	1.0	36.2	80.6	112.6	125.0
102.5°	1.0	36.2	78.5	110.5	121.9
105°	1.0	35.1	77.5	108.5	119.8
107.5°	1.0	34.1	75.4	106.4	117.8
110°	1.0	32.0	74.4	103.3	114.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	31.0	72.3	101.2	111.6
115°	1.0	30.0	70.2	98.1	108.5
117.5°	1.0	28.9	67.1	95.0	105.4
120°	2.1	28.9	65.1	91.9	101.2
122.5°	2.1	27.9	62.0	87.8	97.1
125°	2.1	26.9	58.9	84.7	94.0
127.5°	2.1	25.8	55.8	80.6	88.8
130°	2.1	23.8	53.7	76.4	84.7
132.5°	2.1	22.7	50.6	71.3	79.5
135°	2.1	20.7	47.5	67.1	75.4
137.5°	2.1	19.6	44.4	63.0	70.2
140°	2.1	18.6	40.3	58.9	66.1
142.5°	2.1	16.5	37.2	54.7	60.9
145°	2.1	15.5	33.1	50.6	55.8
147.5°	2.1	13.4	30.0	46.5	51.6
150°	2.1	12.4	26.9	42.4	47.5
152.5°	2.1	11.4	23.8	37.2	42.4
155°	2.1	10.3	21.7	32.0	38.2
157.5°	2.1	9.3	18.6	27.9	34.1
160°	3.1	8.3	16.5	23.8	28.9
162.5°	3.1	7.2	13.4	19.6	25.8
165°	3.1	7.2	11.4	15.5	21.7
167.5°	3.1	6.2	9.3	12.4	17.6
170°	3.1	5.2	8.3	9.3	13.4
172.5°	3.1	4.1	6.2	6.2	7.2
175°	3.1	4.1	5.2	5.2	3.1
177.5°	3.1	3.1	3.1	3.1	2.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)