

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: P567878

Luminaire Tested: **8SNX-62SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567878
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-L930-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

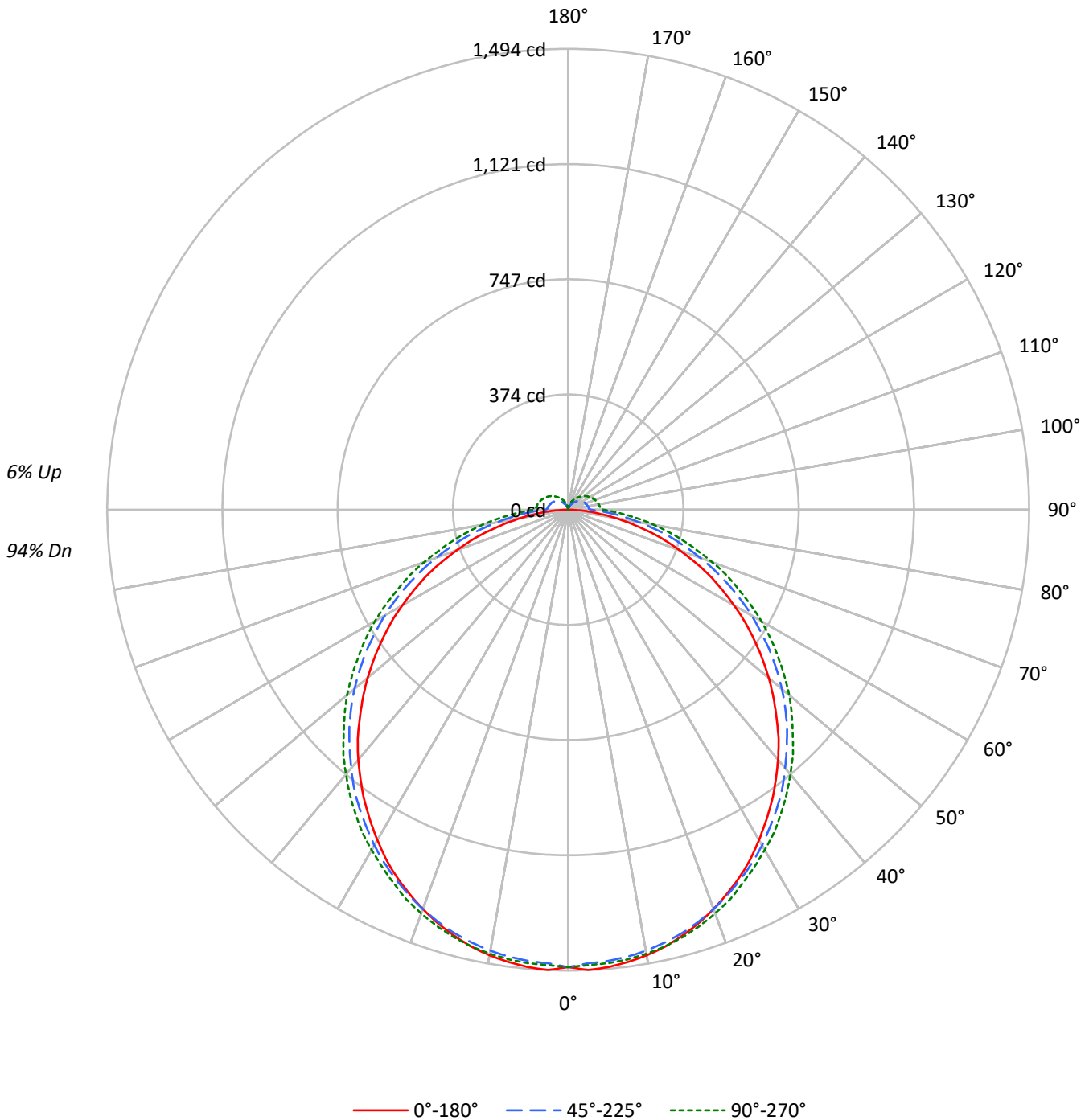
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4712.0 lumens
Efficiency: N/A
Efficacy: 120.8 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): 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

TEST NUMBER: P567878
CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567878

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L930-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	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°	7980	7980	7980
5°	8039	7851	7860
10°	8009	7768	7761
15°	7953	7673	7651
20°	7875	7556	7520
25°	7785	7428	7366
30°	7662	7297	7223
35°	7538	7144	7074
40°	7401	6974	6907
45°	7228	6807	6712
50°	7061	6615	6534
55°	6855	6378	6286
60°	6622	6106	6042
65°	6379	5782	5707
70°	5954	5375	5359
75°	5446	4894	4942
80°	4696	4257	4480
85°	3794	3709	3937



TEST NUMBER: P567878

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	3.0
10°-20°	403.5	8.6
20°-30°	611.5	13.0
30°-40°	738.2	15.7
40°-50°	770.9	16.4
50°-60°	708.2	15.0
60°-70°	560.0	11.9
70°-80°	354.4	7.5
80°-90°	152.3	3.2
90°-100°	67.1	1.4
100°-110°	60.0	1.3
110°-120°	50.7	1.1
120°-130°	39.5	0.8
130°-140°	27.4	0.6
140°-150°	16.4	0.3
150°-160°	8.0	0.2
160°-170°	2.8	0.1
170°-180°	0.4	0.0
0°-30°	1155.7	24.5
0°-40°	1893.9	40.2
0°-60°	3372.9	71.6
0°-90°	4439.7	94.2
90°-120°	177.8	3.8
90°-150°	261.1	5.5
90°-180°	272.0	5.8
0°-180°	4712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1483	1483	1483	1483	1483	
5°	1489	1484	1469	1481	1476	141
15°	1429	1429	1422	1437	1434	403
25°	1314	1320	1322	1339	1337	605
35°	1152	1165	1180	1198	1202	720
45°	955	978	1003	1022	1029	737
55°	736	766	798	824	829	658
65°	506	535	572	599	608	499
75°	267	299	342	371	386	283
85°	65	100	144	174	185	72
90°	4	36	73	103	114	5
95°	1	31	67	94	104	1
105°	1	28	63	88	97	1
115°	1	24	57	79	88	1
125°	2	22	48	68	76	2
135°	2	17	38	54	61	1
145°	2	12	27	41	45	1
155°	2	8	18	26	31	1
165°	2	6	9	12	18	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567878

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1482.8	1482.8	1482.8	1482.8	1482.8
2.5°	1493.6	1488.6	1471.9	1483.6	1477.8
5°	1488.6	1484.4	1468.6	1481.1	1476.1
7.5°	1479.4	1476.1	1461.9	1475.3	1470.3
10°	1466.9	1464.4	1451.9	1465.3	1461.9
12.5°	1451.1	1450.2	1437.7	1452.7	1450.2
15°	1429.4	1429.4	1421.9	1436.9	1434.4
17.5°	1406.0	1406.8	1401.0	1416.9	1415.2
20°	1377.6	1381.8	1377.6	1394.3	1392.7
22.5°	1346.8	1352.6	1350.9	1367.6	1368.5
25°	1314.2	1320.1	1321.7	1339.3	1336.8
27.5°	1278.3	1287.5	1290.9	1306.7	1305.9
30°	1236.6	1249.1	1256.6	1270.0	1274.2
32.5°	1194.1	1209.1	1218.3	1236.6	1241.6
35°	1151.5	1164.9	1179.9	1198.2	1202.4
37.5°	1104.8	1119.8	1139.8	1157.4	1162.4
40°	1058.1	1074.7	1093.9	1113.1	1120.6
42.5°	1009.7	1027.2	1048.0	1070.6	1078.1
45°	954.6	977.9	1003.0	1022.2	1028.8
47.5°	902.0	927.9	954.6	975.4	983.0
50°	848.6	876.1	904.5	923.7	935.4
52.5°	792.7	822.7	851.1	875.3	882.8
55°	736.0	766.0	797.7	823.6	829.4
57.5°	680.9	710.1	741.8	766.0	777.7
60°	620.8	652.5	686.7	710.9	723.4
62.5°	562.4	593.3	630.0	655.9	665.9
65°	506.5	534.9	572.4	599.1	608.3
67.5°	444.7	477.3	513.2	544.0	555.7
70°	383.8	414.7	455.6	484.8	496.5
72.5°	327.1	357.1	398.0	427.2	438.1
75°	267.0	298.7	342.1	371.3	385.5
77.5°	209.4	244.5	286.2	317.9	333.8
80°	156.0	186.9	232.0	267.0	281.2
82.5°	106.0	139.3	186.1	218.6	234.5
85°	65.1	100.1	143.5	174.4	185.2
87.5°	30.9	64.3	104.3	134.3	147.7
90°	4.2	35.9	73.4	102.6	113.5
92.5°	0.8	30.9	67.6	95.1	105.1
95°	0.8	30.9	66.8	93.5	103.5
97.5°	0.8	30.0	65.9	92.6	101.8
100°	0.8	29.2	65.1	91.0	101.0
102.5°	0.8	29.2	63.4	89.3	98.5
105°	0.8	28.4	62.6	87.6	96.8
107.5°	0.8	27.5	60.9	85.9	95.1
110°	0.8	25.9	60.1	83.4	92.6



TEST NUMBER: P567878

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	25.0	58.4	81.8	90.1
115°	0.8	24.2	56.7	79.3	87.6
117.5°	0.8	23.4	54.2	76.8	85.1
120°	1.7	23.4	52.6	74.3	81.8
122.5°	1.7	22.5	50.1	70.9	78.4
125°	1.7	21.7	47.6	68.4	75.9
127.5°	1.7	20.9	45.1	65.1	71.8
130°	1.7	19.2	43.4	61.7	68.4
132.5°	1.7	18.4	40.9	57.6	64.3
135°	1.7	16.7	38.4	54.2	60.9
137.5°	1.7	15.9	35.9	50.9	56.7
140°	1.7	15.0	32.5	47.6	53.4
142.5°	1.7	13.4	30.0	44.2	49.2
145°	1.7	12.5	26.7	40.9	45.1
147.5°	1.7	10.8	24.2	37.5	41.7
150°	1.7	10.0	21.7	34.2	38.4
152.5°	1.7	9.2	19.2	30.0	34.2
155°	1.7	8.3	17.5	25.9	30.9
157.5°	1.7	7.5	15.0	22.5	27.5
160°	2.5	6.7	13.4	19.2	23.4
162.5°	2.5	5.8	10.8	15.9	20.9
165°	2.5	5.8	9.2	12.5	17.5
167.5°	2.5	5.0	7.5	10.0	14.2
170°	2.5	4.2	6.7	7.5	10.8
172.5°	2.5	3.3	5.0	5.0	5.8
175°	2.5	3.3	4.2	4.2	2.5
177.5°	2.5	2.5	2.5	2.5	1.7
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)