

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: P567908

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-62SL-SLW-UNV-L840-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

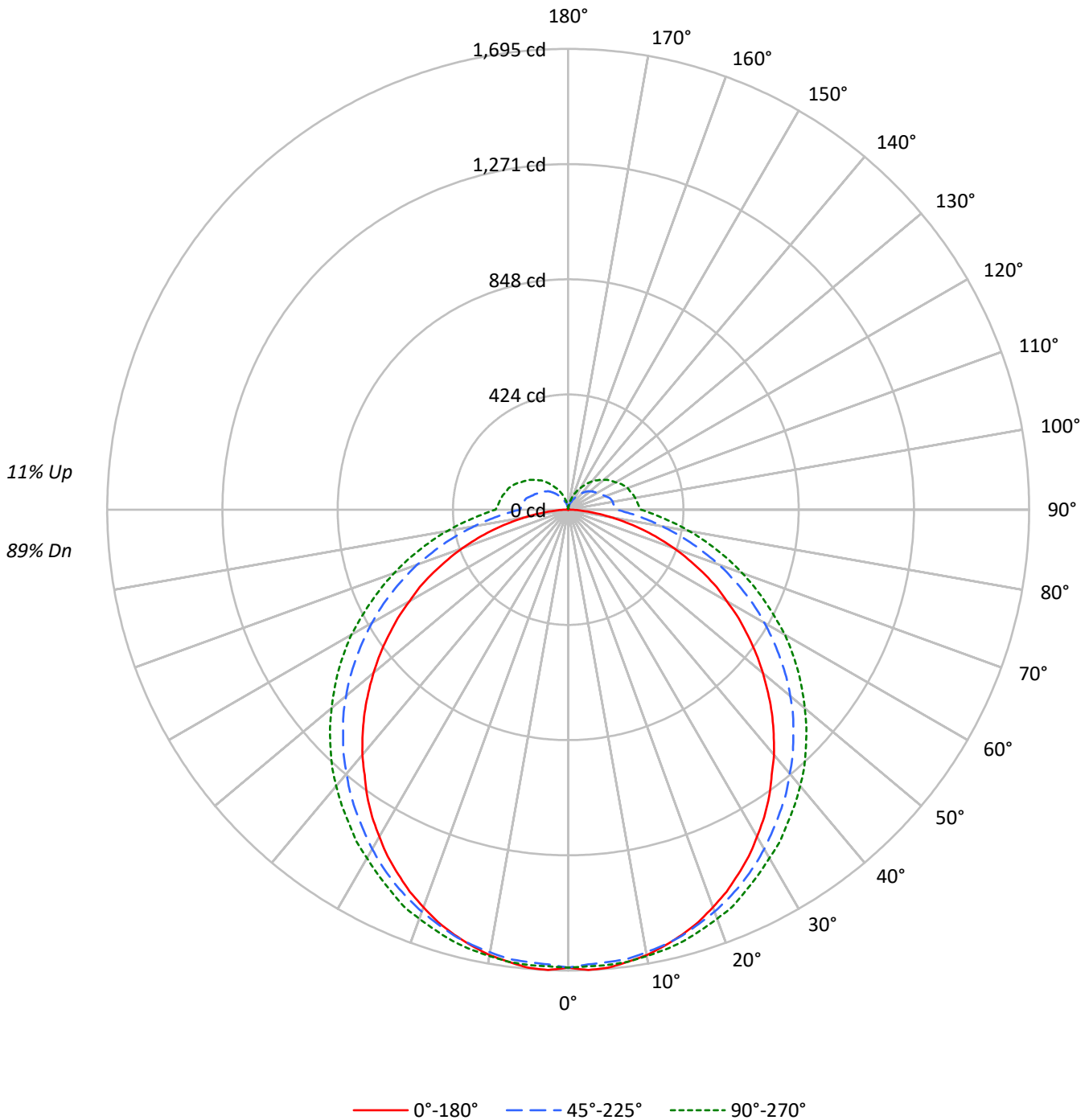
Lumens per Lamp: N/A
Luminaire Lumens: 5996.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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: P567908

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L840-CD

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9065	9065	9065
5°	9128	8837	8824
10°	9074	8664	8606
15°	8992	8486	8405
20°	8877	8281	8180
25°	8743	8079	7947
30°	8581	7858	7715
35°	8404	7628	7498
40°	8200	7402	7290
45°	7979	7171	7064
50°	7726	6928	6813
55°	7450	6634	6565
60°	7124	6321	6289
65°	6792	5968	5941
70°	6323	5579	5602
75°	5701	5084	5225
80°	4675	4580	4854
85°	3450	4155	4473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.0	2.7
10°-20°	459.8	7.7
20°-30°	699.2	11.7
30°-40°	848.7	14.2
40°-50°	896.9	15.0
50°-60°	839.3	14.0
60°-70°	688.6	11.5
70°-80°	473.6	7.9
80°-90°	259.4	4.3
90°-100°	167.0	2.8
100°-110°	149.9	2.5
110°-120°	124.1	2.1
120°-130°	95.5	1.6
130°-140°	67.1	1.1
140°-150°	40.4	0.7
150°-160°	19.4	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1319.0	22.0
0°-40°	2167.7	36.2
0°-60°	3903.9	65.1
0°-90°	5325.5	88.8
90°-120°	441.0	7.4
90°-150°	644.1	10.7
90°-180°	671.0	11.2
0°-180°	5996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1691	1688	1670	1684	1681	160
15°	1618	1625	1622	1643	1643	456
25°	1479	1497	1514	1545	1545	682
35°	1288	1320	1358	1396	1406	805
45°	1059	1108	1170	1222	1236	816
55°	806	872	952	1011	1031	721
65°	545	618	712	778	799	540
75°	285	361	465	538	563	300
85°	62	149	254	323	347	72
90°	0	83	177	243	267	4
95°	0	80	170	233	257	0
105°	0	66	160	219	240	2
115°	4	59	135	194	219	3
125°	4	49	115	167	188	3
135°	4	38	94	135	153	3
145°	4	28	66	104	115	2
155°	4	17	42	66	76	2
165°	4	10	21	31	38	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P567908

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1684.3	1684.3	1684.3	1684.3	1684.3
2.5°	1694.7	1691.2	1673.9	1687.8	1680.8
5°	1691.2	1687.8	1670.4	1684.3	1680.8
7.5°	1677.3	1677.3	1666.9	1680.8	1677.3
10°	1663.5	1663.5	1653.0	1670.4	1666.9
12.5°	1642.6	1646.1	1639.1	1660.0	1656.5
15°	1618.3	1625.3	1621.8	1642.6	1642.6
17.5°	1590.5	1597.5	1597.5	1621.8	1621.8
20°	1555.8	1566.2	1573.2	1600.9	1600.9
22.5°	1521.1	1535.0	1545.4	1569.7	1580.1
25°	1479.4	1496.8	1514.1	1545.4	1545.4
27.5°	1437.7	1458.6	1479.4	1510.7	1514.1
30°	1389.1	1413.4	1441.2	1472.5	1479.4
32.5°	1340.5	1371.7	1399.5	1437.7	1448.1
35°	1288.4	1319.7	1357.9	1396.1	1406.5
37.5°	1229.4	1267.6	1316.2	1357.9	1368.3
40°	1177.3	1218.9	1267.6	1316.2	1326.6
42.5°	1118.2	1163.4	1222.4	1267.6	1284.9
45°	1059.2	1107.8	1170.3	1222.4	1236.3
47.5°	996.7	1052.2	1121.7	1170.3	1187.7
50°	934.2	993.2	1066.1	1121.7	1135.6
52.5°	871.7	934.2	1010.6	1066.1	1083.5
55°	805.7	871.7	951.5	1010.6	1031.4
57.5°	743.2	809.2	892.5	955.0	975.8
60°	673.7	750.1	833.5	896.0	920.3
62.5°	614.7	684.1	774.4	836.9	857.8
65°	545.2	618.2	711.9	777.9	798.7
67.5°	479.2	555.6	649.4	718.9	739.7
70°	413.3	489.7	590.4	656.4	680.7
72.5°	347.3	427.1	524.4	597.3	621.6
75°	284.8	361.2	465.4	538.3	562.6
77.5°	218.8	302.1	406.3	479.2	507.0
80°	159.7	246.6	350.7	423.7	451.5
82.5°	107.7	194.5	298.7	371.6	399.4
85°	62.5	149.3	253.5	323.0	347.3
87.5°	31.3	114.6	211.8	281.3	305.6
90°	0.0	83.3	177.1	243.1	267.4
92.5°	0.0	79.9	173.6	236.1	260.5
95°	0.0	79.9	170.2	232.7	257.0
97.5°	0.0	76.4	166.7	232.7	253.5
100°	0.0	72.9	166.7	229.2	250.0
102.5°	0.0	69.5	163.2	225.7	246.6
105°	0.0	66.0	159.7	218.8	239.6
107.5°	3.5	66.0	152.8	215.3	236.1
110°	3.5	62.5	145.9	211.8	232.7



TEST NUMBER: P567908

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	59.0	138.9	204.9	225.7
115°	3.5	59.0	135.4	194.5	218.8
117.5°	3.5	55.6	128.5	187.5	211.8
120°	3.5	55.6	125.0	180.6	201.4
122.5°	3.5	52.1	118.1	173.6	194.5
125°	3.5	48.6	114.6	166.7	187.5
127.5°	3.5	45.1	111.1	159.7	180.6
130°	3.5	41.7	104.2	152.8	170.2
132.5°	3.5	41.7	100.7	142.4	163.2
135°	3.5	38.2	93.8	135.4	152.8
137.5°	3.5	34.7	86.8	128.5	145.9
140°	3.5	31.3	79.9	121.5	135.4
142.5°	3.5	31.3	72.9	111.1	125.0
145°	3.5	27.8	66.0	104.2	114.6
147.5°	3.5	24.3	59.0	93.8	104.2
150°	3.5	24.3	52.1	83.3	93.8
152.5°	3.5	20.8	45.1	76.4	86.8
155°	3.5	17.4	41.7	66.0	76.4
157.5°	3.5	17.4	34.7	55.6	66.0
160°	3.5	13.9	31.3	45.1	55.6
162.5°	3.5	13.9	27.8	38.2	48.6
165°	3.5	10.4	20.8	31.3	38.2
167.5°	3.5	10.4	17.4	24.3	31.3
170°	3.5	6.9	13.9	17.4	24.3
172.5°	3.5	6.9	10.4	10.4	10.4
175°	3.5	3.5	6.9	6.9	3.5
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)