

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: P567879

Luminaire Tested: **8SNX-62SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567879
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-L935-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

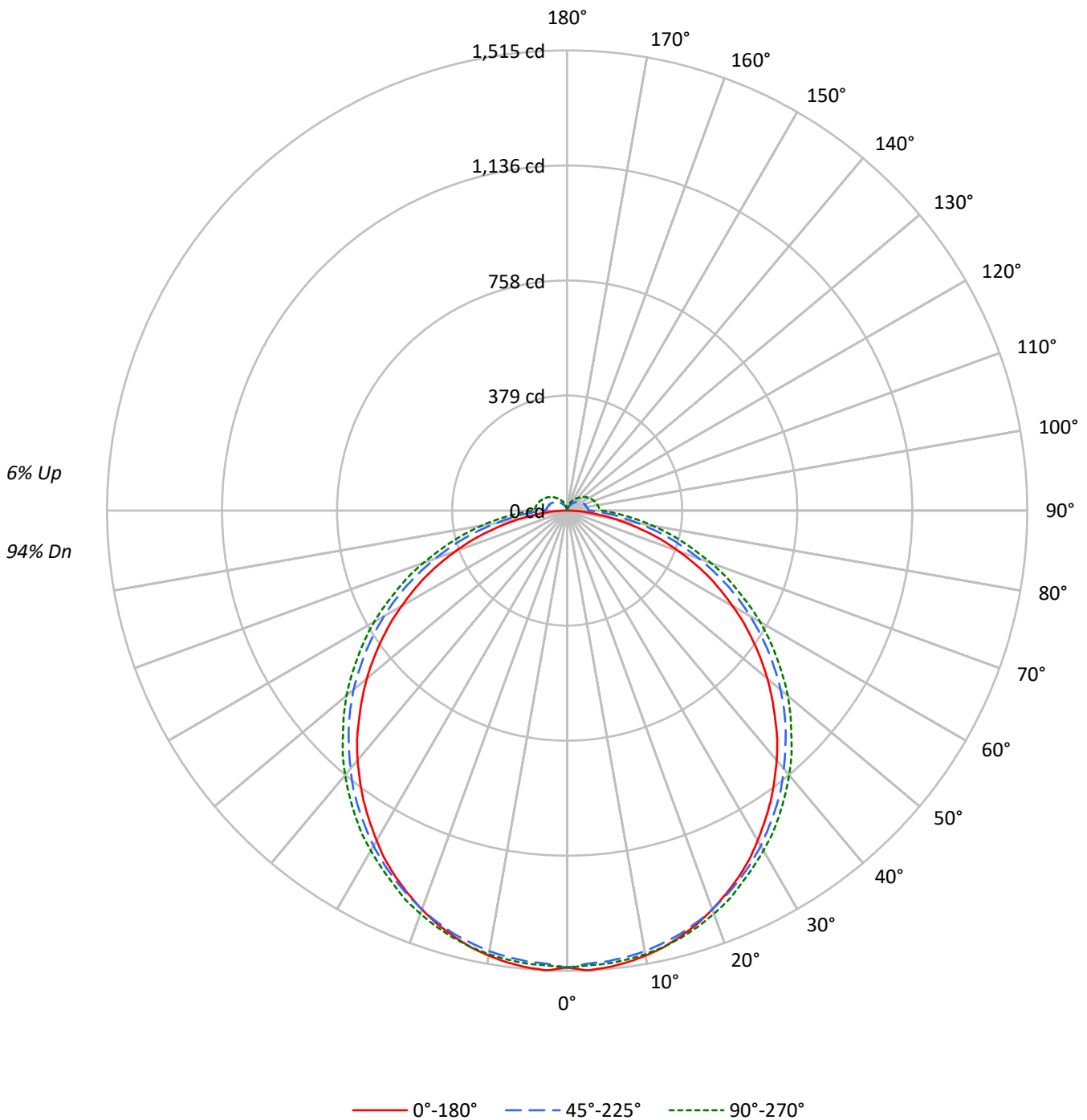
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4780.0 lumens
Efficiency: N/A
Efficacy: 122.6 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

TEST NUMBER: P567879
CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567879

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L935-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°	8096	8096	8096
5°	8155	7964	7973
10°	8125	7880	7873
15°	8068	7783	7761
20°	7989	7665	7629
25°	7898	7535	7472
30°	7773	7403	7328
35°	7647	7247	7177
40°	7508	7075	7007
45°	7333	6905	6809
50°	7164	6711	6628
55°	6954	6470	6377
60°	6719	6194	6130
65°	6471	5866	5789
70°	6041	5452	5436
75°	5526	4965	5014
80°	4766	4317	4546
85°	3847	3763	3994



TEST NUMBER: P567879

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	3.0
10°-20°	409.3	8.6
20°-30°	620.3	13.0
30°-40°	748.9	15.7
40°-50°	782.0	16.4
50°-60°	718.4	15.0
60°-70°	568.1	11.9
70°-80°	359.6	7.5
80°-90°	154.6	3.2
90°-100°	68.0	1.4
100°-110°	60.9	1.3
110°-120°	51.4	1.1
120°-130°	40.1	0.8
130°-140°	27.7	0.6
140°-150°	16.6	0.3
150°-160°	8.1	0.2
160°-170°	2.8	0.1
170°-180°	0.4	0.0
0°-30°	1172.3	24.5
0°-40°	1921.2	40.2
0°-60°	3421.6	71.6
0°-90°	4503.9	94.2
90°-120°	180.3	3.8
90°-150°	264.8	5.5
90°-180°	276.0	5.8
0°-180°	4780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1510	1506	1490	1502	1497	143
15°	1450	1450	1442	1458	1455	409
25°	1333	1339	1341	1359	1356	614
35°	1168	1182	1197	1216	1220	730
45°	968	992	1018	1037	1044	748
55°	747	777	809	836	841	668
65°	514	543	581	608	617	506
75°	271	303	347	377	391	287
85°	66	102	146	177	188	73
90°	4	36	74	104	115	6
95°	1	31	68	95	105	1
105°	1	29	64	89	98	1
115°	1	24	58	80	89	1
125°	2	22	48	69	77	2
135°	2	17	39	55	62	1
145°	2	13	27	42	46	1
155°	2	8	18	26	31	1
165°	2	6	9	13	18	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567879

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1504.2	1504.2	1504.2	1504.2	1504.2
2.5°	1515.2	1510.1	1493.2	1505.0	1499.1
5°	1510.1	1505.9	1489.8	1502.5	1497.4
7.5°	1500.8	1497.4	1483.0	1496.6	1491.5
10°	1488.1	1485.6	1472.9	1486.4	1483.0
12.5°	1472.0	1471.2	1458.5	1473.7	1471.2
15°	1450.0	1450.0	1442.4	1457.6	1455.1
17.5°	1426.3	1427.1	1421.2	1437.3	1435.6
20°	1397.5	1401.8	1397.5	1414.5	1412.8
22.5°	1366.2	1372.1	1370.4	1387.4	1388.2
25°	1333.2	1339.1	1340.8	1358.6	1356.0
27.5°	1296.8	1306.1	1309.5	1325.6	1324.7
30°	1254.5	1267.2	1274.8	1288.3	1292.6
32.5°	1211.3	1226.5	1235.8	1254.5	1259.5
35°	1168.1	1181.7	1196.9	1215.5	1219.8
37.5°	1120.7	1136.0	1156.3	1174.1	1179.1
40°	1073.3	1090.3	1109.7	1129.2	1136.8
42.5°	1024.2	1042.0	1063.2	1086.0	1093.6
45°	968.4	992.1	1017.5	1036.9	1043.7
47.5°	915.0	941.3	968.4	989.5	997.1
50°	860.9	888.8	917.6	937.0	948.9
52.5°	804.1	834.6	863.4	887.9	895.6
55°	746.6	777.1	809.2	835.5	841.4
57.5°	690.7	720.3	752.5	777.1	788.9
60°	629.8	661.9	696.6	721.2	733.9
62.5°	570.5	601.8	639.1	665.3	675.5
65°	513.8	542.6	580.7	607.8	617.1
67.5°	451.2	484.2	520.6	551.9	563.7
70°	389.4	420.7	462.2	491.8	503.6
72.5°	331.8	362.3	403.8	433.4	444.4
75°	270.9	303.0	347.1	376.7	391.1
77.5°	212.5	248.0	290.3	322.5	338.6
80°	158.3	189.6	235.3	270.9	285.3
82.5°	107.5	141.4	188.8	221.8	237.9
85°	66.0	101.6	145.6	176.9	187.9
87.5°	31.3	65.2	105.8	136.3	149.8
90°	4.2	36.4	74.5	104.1	115.1
92.5°	0.8	31.3	68.6	96.5	106.7
95°	0.8	31.3	67.7	94.8	105.0
97.5°	0.8	30.5	66.9	94.0	103.3
100°	0.8	29.6	66.0	92.3	102.4
102.5°	0.8	29.6	64.3	90.6	99.9
105°	0.8	28.8	63.5	88.9	98.2
107.5°	0.8	27.9	61.8	87.2	96.5
110°	0.8	26.2	60.9	84.6	94.0



TEST NUMBER: P567879

CATALOG NUMBER: 8SNX-62SL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	25.4	59.3	83.0	91.4
115°	0.8	24.5	57.6	80.4	88.9
117.5°	0.8	23.7	55.0	77.9	86.3
120°	1.7	23.7	53.3	75.3	83.0
122.5°	1.7	22.9	50.8	71.9	79.6
125°	1.7	22.0	48.2	69.4	77.0
127.5°	1.7	21.2	45.7	66.0	72.8
130°	1.7	19.5	44.0	62.6	69.4
132.5°	1.7	18.6	41.5	58.4	65.2
135°	1.7	16.9	38.9	55.0	61.8
137.5°	1.7	16.1	36.4	51.6	57.6
140°	1.7	15.2	33.0	48.2	54.2
142.5°	1.7	13.5	30.5	44.9	49.9
145°	1.7	12.7	27.1	41.5	45.7
147.5°	1.7	11.0	24.5	38.1	42.3
150°	1.7	10.2	22.0	34.7	38.9
152.5°	1.7	9.3	19.5	30.5	34.7
155°	1.7	8.5	17.8	26.2	31.3
157.5°	1.7	7.6	15.2	22.9	27.9
160°	2.5	6.8	13.5	19.5	23.7
162.5°	2.5	5.9	11.0	16.1	21.2
165°	2.5	5.9	9.3	12.7	17.8
167.5°	2.5	5.1	7.6	10.2	14.4
170°	2.5	4.2	6.8	7.6	11.0
172.5°	2.5	3.4	5.1	5.1	5.9
175°	2.5	3.4	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)