

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: P567881

Luminaire Tested: **8SNX-62SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567881  
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-L950-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

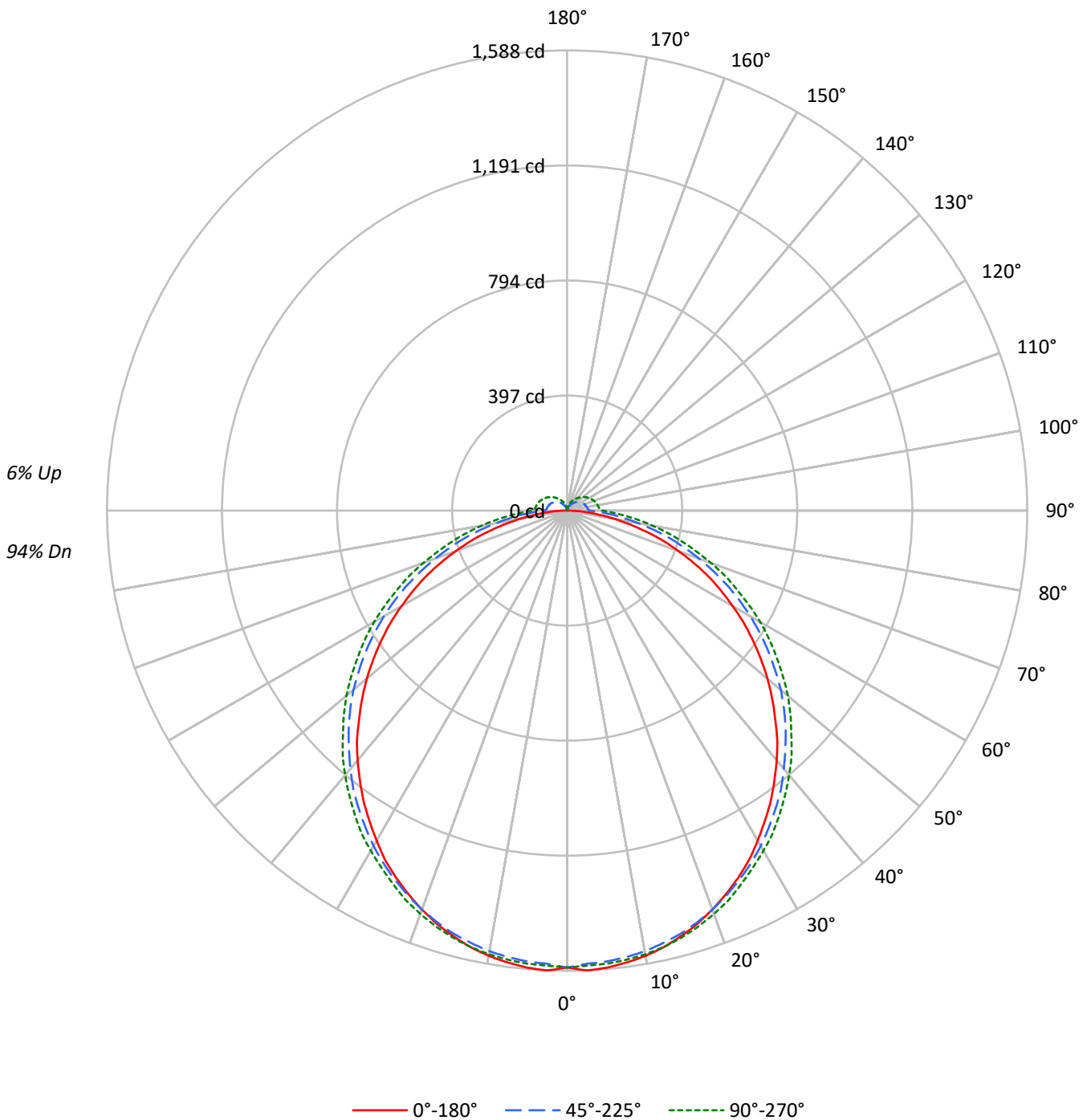
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5011.0 lumens  
Efficiency: N/A  
Efficacy: 128.5 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 (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°	8487	8487	8487
5°	8549	8349	8359
10°	8518	8261	8254
15°	8458	8159	8136
20°	8375	8036	7997
25°	8279	7899	7833
30°	8148	7761	7682
35°	8017	7597	7523
40°	7871	7417	7345
45°	7687	7238	7138
50°	7510	7035	6948
55°	7290	6782	6686
60°	7043	6494	6427
65°	6783	6149	6069
70°	6333	5716	5699
75°	5793	5204	5256
80°	4994	4526	4764
85°	4033	3944	4188



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.5	3.0
10°-20°	429.1	8.6
20°-30°	650.3	13.0
30°-40°	785.1	15.7
40°-50°	819.8	16.4
50°-60°	753.1	15.0
60°-70°	595.6	11.9
70°-80°	376.9	7.5
80°-90°	162.0	3.2
90°-100°	71.3	1.4
100°-110°	63.8	1.3
110°-120°	53.9	1.1
120°-130°	42.0	0.8
130°-140°	29.1	0.6
140°-150°	17.5	0.3
150°-160°	8.5	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1229.0	24.5
0°-40°	2014.0	40.2
0°-60°	3587.0	71.6
0°-90°	4721.5	94.2
90°-120°	189.0	3.8
90°-150°	277.6	5.5
90°-180°	290.0	5.8
0°-180°	5011.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1583	1579	1562	1575	1570	150
15°	1520	1520	1512	1528	1525	429
25°	1398	1404	1406	1424	1422	644
35°	1225	1239	1255	1274	1279	766
45°	1015	1040	1067	1087	1094	784
55°	783	815	848	876	882	700
65°	539	569	609	637	647	530
75°	284	318	364	395	410	301
85°	69	106	153	186	197	76
90°	4	38	78	109	121	6
95°	1	33	71	99	110	1
105°	1	30	67	93	103	1
115°	1	26	60	84	93	1
125°	2	23	51	73	81	2
135°	2	18	41	58	65	1
145°	2	13	28	44	48	1
155°	2	9	19	28	33	1
165°	3	6	10	13	19	1
175°	3	4	4	4	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1576.9	1576.9	1576.9	1576.9	1576.9
2.5°	1588.4	1583.1	1565.3	1577.8	1571.5
5°	1583.1	1578.6	1561.8	1575.1	1569.8
7.5°	1573.3	1569.8	1554.7	1568.9	1563.6
10°	1560.0	1557.3	1544.0	1558.2	1554.7
12.5°	1543.1	1542.3	1528.9	1544.9	1542.3
15°	1520.1	1520.1	1512.1	1528.1	1525.4
17.5°	1495.2	1496.1	1489.9	1506.8	1505.0
20°	1465.1	1469.5	1465.1	1482.8	1481.0
22.5°	1432.2	1438.4	1436.7	1454.4	1455.3
25°	1397.6	1403.8	1405.6	1424.2	1421.6
27.5°	1359.5	1369.2	1372.8	1389.6	1388.7
30°	1315.1	1328.4	1336.4	1350.6	1355.0
32.5°	1269.8	1285.8	1295.6	1315.1	1320.4
35°	1224.6	1238.8	1254.7	1274.3	1278.7
37.5°	1174.9	1190.9	1212.2	1230.8	1236.1
40°	1125.2	1142.9	1163.4	1183.8	1191.7
42.5°	1073.7	1092.4	1114.5	1138.5	1146.5
45°	1015.2	1040.0	1066.6	1087.0	1094.1
47.5°	959.3	986.8	1015.2	1037.3	1045.3
50°	902.5	931.7	961.9	982.3	994.7
52.5°	843.0	875.0	905.1	930.9	938.8
55°	782.7	814.6	848.3	875.8	882.1
57.5°	724.1	755.2	788.9	814.6	827.0
60°	660.2	693.9	730.3	756.0	769.4
62.5°	598.1	630.9	670.0	697.5	708.1
65°	538.6	568.8	608.7	637.1	646.9
67.5°	473.0	507.6	545.7	578.6	591.0
70°	408.2	441.0	484.5	515.6	528.0
72.5°	347.9	379.8	423.3	454.3	465.9
75°	284.0	317.7	363.8	394.9	410.0
77.5°	222.7	260.0	304.4	338.1	355.0
80°	165.9	198.8	246.7	284.0	299.0
82.5°	112.7	148.2	197.9	232.5	249.4
85°	69.2	106.5	152.6	185.5	197.0
87.5°	32.8	68.3	110.9	142.9	157.1
90°	4.4	38.2	78.1	109.1	120.7
92.5°	0.9	32.8	71.9	101.2	111.8
95°	0.9	32.8	71.0	99.4	110.0
97.5°	0.9	31.9	70.1	98.5	108.3
100°	0.9	31.1	69.2	96.7	107.4
102.5°	0.9	31.1	67.4	94.9	104.7
105°	0.9	30.2	66.6	93.2	102.9
107.5°	0.9	29.3	64.8	91.4	101.2
110°	0.9	27.5	63.9	88.7	98.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	26.6	62.1	87.0	95.8
115°	0.9	25.7	60.3	84.3	93.2
117.5°	0.9	24.8	57.7	81.6	90.5
120°	1.8	24.8	55.9	79.0	87.0
122.5°	1.8	24.0	53.2	75.4	83.4
125°	1.8	23.1	50.6	72.8	80.8
127.5°	1.8	22.2	47.9	69.2	76.3
130°	1.8	20.4	46.1	65.7	72.8
132.5°	1.8	19.5	43.5	61.2	68.3
135°	1.8	17.7	40.8	57.7	64.8
137.5°	1.8	16.9	38.2	54.1	60.3
140°	1.8	16.0	34.6	50.6	56.8
142.5°	1.8	14.2	31.9	47.0	52.4
145°	1.8	13.3	28.4	43.5	47.9
147.5°	1.8	11.5	25.7	39.9	44.4
150°	1.8	10.6	23.1	36.4	40.8
152.5°	1.8	9.8	20.4	31.9	36.4
155°	1.8	8.9	18.6	27.5	32.8
157.5°	1.8	8.0	16.0	24.0	29.3
160°	2.7	7.1	14.2	20.4	24.8
162.5°	2.7	6.2	11.5	16.9	22.2
165°	2.7	6.2	9.8	13.3	18.6
167.5°	2.7	5.3	8.0	10.6	15.1
170°	2.7	4.4	7.1	8.0	11.5
172.5°	2.7	3.5	5.3	5.3	6.2
175°	2.7	3.5	4.4	4.4	2.7
177.5°	2.7	2.7	2.7	2.7	1.8
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)