

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: P566525

Luminaire Tested: **4SNX-51SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566525
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: 4SNX-51SL-FDL-UNV-L950-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

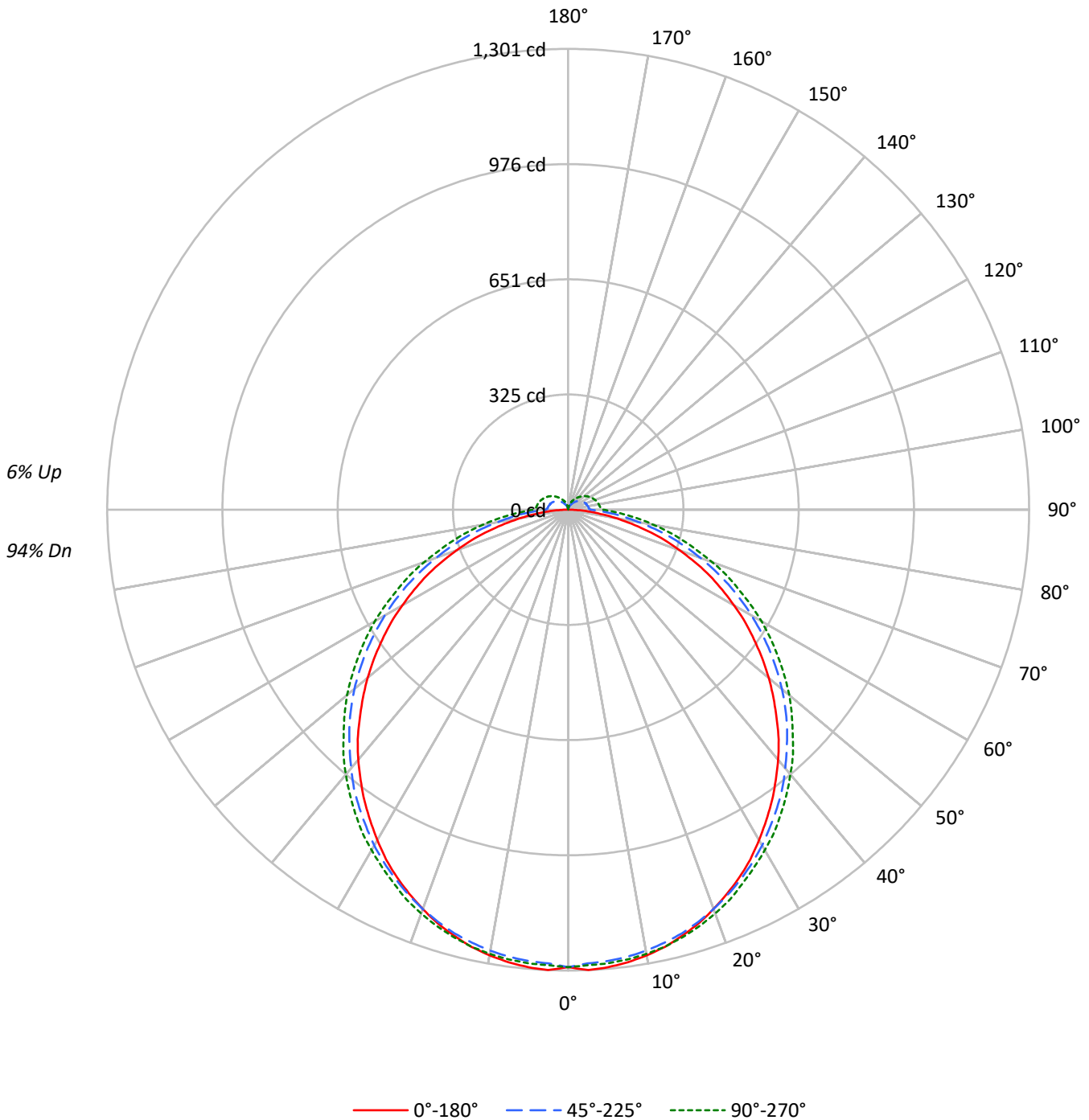
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4104.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 35
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	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°	13902	13902	13902
5°	13996	13671	13691
10°	13939	13523	13520
15°	13834	13352	13327
20°	13693	13145	13100
25°	13528	12918	12831
30°	13307	12686	12583
35°	13083	12415	12324
40°	12836	12115	12031
45°	12525	11818	11692
50°	12225	11479	11382
55°	11853	11061	10950
60°	11434	10581	10526
65°	10989	10011	9941
70°	10228	9291	9334
75°	9312	8446	8610
80°	7954	7322	7804
85°	6258	6350	6857



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.0
10°-20°	351.4	8.6
20°-30°	532.6	13.0
30°-40°	643.0	15.7
40°-50°	671.4	16.4
50°-60°	616.8	15.0
60°-70°	487.8	11.9
70°-80°	308.7	7.5
80°-90°	132.7	3.2
90°-100°	58.4	1.4
100°-110°	52.3	1.3
110°-120°	44.1	1.1
120°-130°	34.4	0.8
130°-140°	23.8	0.6
140°-150°	14.3	0.3
150°-160°	7.0	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1006.5	24.5
0°-40°	1649.5	40.2
0°-60°	2937.7	71.6
0°-90°	3866.9	94.2
90°-120°	154.8	3.8
90°-150°	227.4	5.5
90°-180°	237.0	5.8
0°-180°	4104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1296	1293	1279	1290	1286	123
15°	1245	1245	1238	1252	1249	351
25°	1145	1150	1151	1166	1164	527
35°	1003	1015	1028	1044	1047	627
45°	831	852	874	890	896	642
55°	641	667	695	717	722	573
65°	441	466	499	522	530	434
75°	233	260	298	323	336	247
85°	57	87	125	152	161	63
90°	4	31	64	89	99	5
95°	1	27	58	81	90	1
105°	1	25	54	76	84	1
115°	1	21	49	69	76	1
125°	2	19	41	60	66	1
135°	2	14	33	47	53	1
145°	2	11	23	36	39	1
155°	2	7	15	22	27	1
165°	2	5	8	11	15	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1291.5	1291.5	1291.5	1291.5	1291.5
2.5°	1300.9	1296.5	1282.0	1292.2	1287.1
5°	1296.5	1292.9	1279.1	1290.0	1285.6
7.5°	1288.5	1285.6	1273.3	1284.9	1280.6
10°	1277.6	1275.5	1264.6	1276.2	1273.3
12.5°	1263.8	1263.1	1252.2	1265.3	1263.1
15°	1244.9	1244.9	1238.4	1251.5	1249.3
17.5°	1224.6	1225.3	1220.2	1234.0	1232.6
20°	1199.9	1203.5	1199.9	1214.4	1213.0
22.5°	1173.0	1178.1	1176.6	1191.2	1191.9
25°	1144.6	1149.7	1151.2	1166.4	1164.3
27.5°	1113.4	1121.4	1124.3	1138.1	1137.4
30°	1077.1	1088.0	1094.5	1106.1	1109.8
32.5°	1040.0	1053.1	1061.1	1077.1	1081.4
35°	1002.9	1014.6	1027.6	1043.6	1047.3
37.5°	962.2	975.3	992.8	1008.0	1012.4
40°	921.5	936.1	952.8	969.5	976.0
42.5°	879.4	894.6	912.8	932.4	939.0
45°	831.4	851.8	873.6	890.3	896.1
47.5°	785.6	808.2	831.4	849.6	856.1
50°	739.1	763.1	787.8	804.5	814.7
52.5°	690.4	716.6	741.3	762.4	768.9
55°	641.0	667.2	694.8	717.3	722.4
57.5°	593.0	618.5	646.1	667.2	677.3
60°	540.7	568.3	598.1	619.2	630.1
62.5°	489.8	516.7	548.7	571.2	580.0
65°	441.1	465.9	498.6	521.8	529.8
67.5°	387.4	415.7	447.0	473.8	484.0
70°	334.3	361.2	396.8	422.2	432.4
72.5°	284.9	311.1	346.7	372.1	381.5
75°	232.6	260.2	298.0	323.4	335.8
77.5°	182.4	212.9	249.3	276.9	290.7
80°	135.9	162.8	202.0	232.6	244.9
82.5°	92.3	121.4	162.1	190.4	204.2
85°	56.7	87.2	125.0	151.9	161.3
87.5°	26.9	56.0	90.8	117.0	128.6
90°	3.6	31.3	64.0	89.4	98.8
92.5°	0.7	26.9	58.9	82.9	91.6
95°	0.7	26.9	58.1	81.4	90.1
97.5°	0.7	26.2	57.4	80.7	88.7
100°	0.7	25.4	56.7	79.2	87.9
102.5°	0.7	25.4	55.2	77.8	85.8
105°	0.7	24.7	54.5	76.3	84.3
107.5°	0.7	24.0	53.1	74.9	82.9
110°	0.7	22.5	52.3	72.7	80.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.8	50.9	71.2	78.5
115°	0.7	21.1	49.4	69.0	76.3
117.5°	0.7	20.3	47.2	66.9	74.1
120°	1.5	20.3	45.8	64.7	71.2
122.5°	1.5	19.6	43.6	61.8	68.3
125°	1.5	18.9	41.4	59.6	66.1
127.5°	1.5	18.2	39.2	56.7	62.5
130°	1.5	16.7	37.8	53.8	59.6
132.5°	1.5	16.0	35.6	50.1	56.0
135°	1.5	14.5	33.4	47.2	53.1
137.5°	1.5	13.8	31.3	44.3	49.4
140°	1.5	13.1	28.3	41.4	46.5
142.5°	1.5	11.6	26.2	38.5	42.9
145°	1.5	10.9	23.3	35.6	39.2
147.5°	1.5	9.4	21.1	32.7	36.3
150°	1.5	8.7	18.9	29.8	33.4
152.5°	1.5	8.0	16.7	26.2	29.8
155°	1.5	7.3	15.3	22.5	26.9
157.5°	1.5	6.5	13.1	19.6	24.0
160°	2.2	5.8	11.6	16.7	20.3
162.5°	2.2	5.1	9.4	13.8	18.2
165°	2.2	5.1	8.0	10.9	15.3
167.5°	2.2	4.4	6.5	8.7	12.4
170°	2.2	3.6	5.8	6.5	9.4
172.5°	2.2	2.9	4.4	4.4	5.1
175°	2.2	2.9	3.6	3.6	2.2
177.5°	2.2	2.2	2.2	2.2	1.5
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)