

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: P567054

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567054
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-SL3-FDL-UNV-CC83-CD-5000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

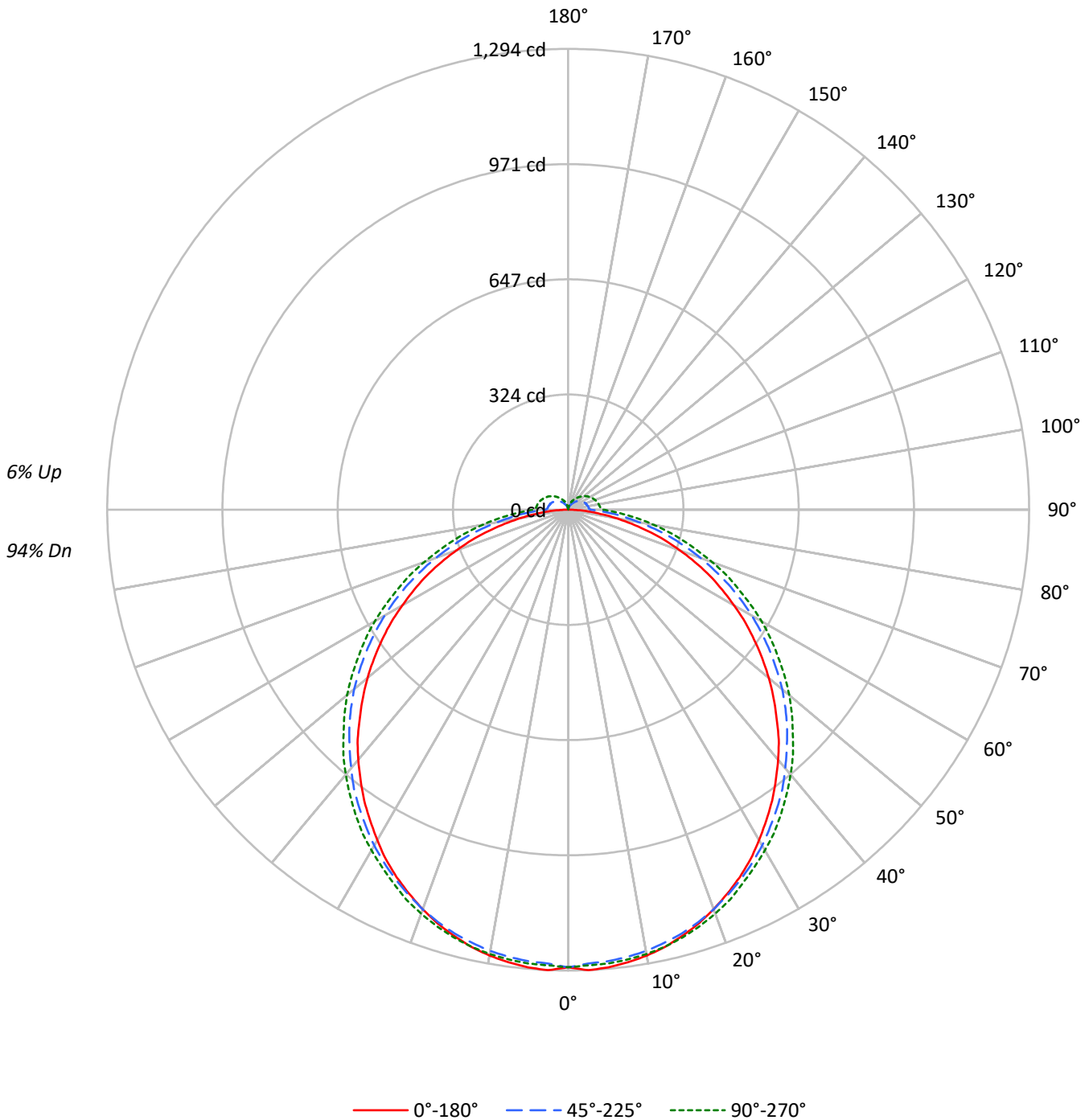
Lumens per Lamp: N/A
Luminaire Lumens: 4083.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 33.726
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°	13829	13829	13829
5°	13925	13601	13622
10°	13868	13454	13451
15°	13764	13284	13258
20°	13622	13077	13033
25°	13460	12852	12765
30°	13238	12622	12518
35°	13016	12352	12260
40°	12771	12053	11970
45°	12462	11758	11632
50°	12162	11421	11323
55°	11792	11004	10894
60°	11375	10528	10473
65°	10934	9959	9890
70°	10176	9245	9287
75°	9263	8401	8564
80°	7913	7286	7766
85°	6224	6319	6823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.0
10°-20°	349.7	8.6
20°-30°	529.9	13.0
30°-40°	639.7	15.7
40°-50°	668.0	16.4
50°-60°	613.7	15.0
60°-70°	485.3	11.9
70°-80°	307.1	7.5
80°-90°	132.0	3.2
90°-100°	58.1	1.4
100°-110°	52.0	1.3
110°-120°	43.9	1.1
120°-130°	34.2	0.8
130°-140°	23.7	0.6
140°-150°	14.2	0.3
150°-160°	6.9	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1001.4	24.5
0°-40°	1641.1	40.2
0°-60°	2922.7	71.6
0°-90°	3847.1	94.2
90°-120°	154.0	3.8
90°-150°	226.2	5.5
90°-180°	236.0	5.8
0°-180°	4083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1290	1286	1273	1283	1279	122
15°	1239	1239	1232	1245	1243	349
25°	1139	1144	1145	1160	1158	524
35°	998	1009	1022	1038	1042	624
45°	827	847	869	886	892	639
55°	638	664	691	714	719	571
65°	439	464	496	519	527	432
75°	231	259	296	322	334	245
85°	56	87	124	151	160	62
90°	4	31	64	89	98	5
95°	1	27	58	81	90	1
105°	1	25	54	76	84	1
115°	1	21	49	69	76	1
125°	1	19	41	59	66	1
135°	1	14	33	47	53	1
145°	1	11	23	35	39	1
155°	1	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°	1284.8	1284.8	1284.8	1284.8	1284.8
2.5°	1294.2	1289.9	1275.4	1285.6	1280.5
5°	1289.9	1286.3	1272.6	1283.4	1279.1
7.5°	1282.0	1279.1	1266.8	1278.3	1274.0
10°	1271.1	1268.9	1258.1	1269.7	1266.8
12.5°	1257.4	1256.6	1245.8	1258.8	1256.6
15°	1238.6	1238.6	1232.1	1245.1	1242.9
17.5°	1218.3	1219.0	1214.0	1227.7	1226.3
20°	1193.7	1197.4	1193.7	1208.2	1206.8
22.5°	1167.0	1172.0	1170.6	1185.1	1185.8
25°	1138.8	1143.9	1145.3	1160.5	1158.3
27.5°	1107.7	1115.7	1118.5	1132.3	1131.6
30°	1071.5	1082.4	1088.9	1100.5	1104.1
32.5°	1034.7	1047.7	1055.6	1071.5	1075.9
35°	997.8	1009.4	1022.4	1038.3	1041.9
37.5°	957.3	970.3	987.7	1002.9	1007.2
40°	916.8	931.3	947.9	964.5	971.0
42.5°	874.9	890.1	908.1	927.7	934.2
45°	827.2	847.4	869.1	885.7	891.5
47.5°	781.6	804.0	827.2	845.2	851.7
50°	735.3	759.2	783.8	800.4	810.5
52.5°	686.9	712.9	737.5	758.5	765.0
55°	637.7	663.8	691.2	713.6	718.7
57.5°	590.0	615.3	642.8	663.8	673.9
60°	537.9	565.4	595.1	616.0	626.9
62.5°	487.3	514.1	545.9	568.3	577.0
65°	438.9	463.5	496.0	519.1	527.1
67.5°	385.4	413.6	444.7	471.4	481.5
70°	332.6	359.4	394.8	420.1	430.2
72.5°	283.4	309.5	344.9	370.2	379.6
75°	231.4	258.8	296.4	321.8	334.0
77.5°	181.5	211.9	248.0	275.5	289.2
80°	135.2	162.0	201.0	231.4	243.7
82.5°	91.8	120.7	161.2	189.4	203.2
85°	56.4	86.8	124.4	151.1	160.5
87.5°	26.8	55.7	90.4	116.4	128.0
90°	3.6	31.1	63.6	88.9	98.3
92.5°	0.7	26.8	58.6	82.4	91.1
95°	0.7	26.8	57.8	81.0	89.7
97.5°	0.7	26.0	57.1	80.3	88.2
100°	0.7	25.3	56.4	78.8	87.5
102.5°	0.7	25.3	55.0	77.4	85.3
105°	0.7	24.6	54.2	75.9	83.9
107.5°	0.7	23.9	52.8	74.5	82.4
110°	0.7	22.4	52.1	72.3	80.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.7	50.6	70.9	78.1
115°	0.7	21.0	49.2	68.7	75.9
117.5°	0.7	20.2	47.0	66.5	73.8
120°	1.4	20.2	45.6	64.4	70.9
122.5°	1.4	19.5	43.4	61.5	68.0
125°	1.4	18.8	41.2	59.3	65.8
127.5°	1.4	18.1	39.0	56.4	62.2
130°	1.4	16.6	37.6	53.5	59.3
132.5°	1.4	15.9	35.4	49.9	55.7
135°	1.4	14.5	33.3	47.0	52.8
137.5°	1.4	13.7	31.1	44.1	49.2
140°	1.4	13.0	28.2	41.2	46.3
142.5°	1.4	11.6	26.0	38.3	42.7
145°	1.4	10.8	23.1	35.4	39.0
147.5°	1.4	9.4	21.0	32.5	36.2
150°	1.4	8.7	18.8	29.6	33.3
152.5°	1.4	8.0	16.6	26.0	29.6
155°	1.4	7.2	15.2	22.4	26.8
157.5°	1.4	6.5	13.0	19.5	23.9
160°	2.2	5.8	11.6	16.6	20.2
162.5°	2.2	5.1	9.4	13.7	18.1
165°	2.2	5.1	8.0	10.8	15.2
167.5°	2.2	4.3	6.5	8.7	12.3
170°	2.2	3.6	5.8	6.5	9.4
172.5°	2.2	2.9	4.3	4.3	5.1
175°	2.2	2.9	3.6	3.6	2.2
177.5°	2.2	2.2	2.2	2.2	1.4
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)