

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: P566522

Luminaire Tested: **4SNX-51SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566522
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-L930-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

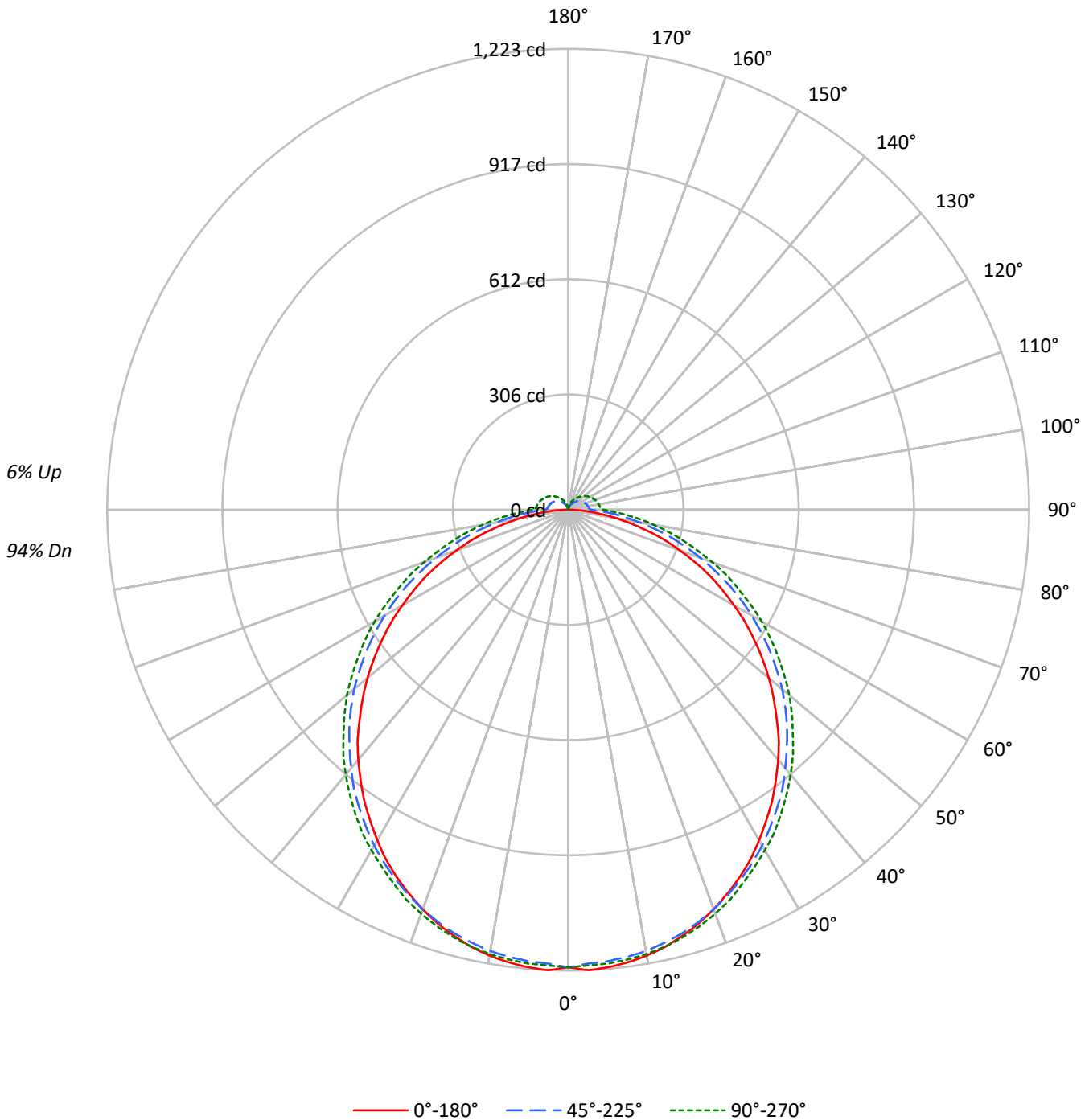
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3859.0 lumens
Efficiency: N/A
Efficacy: 110.3 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 (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

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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°	13072	13072	13072
5°	13160	12854	12874
10°	13107	12716	12713
15°	13008	12555	12531
20°	12874	12360	12318
25°	12721	12147	12065
30°	12513	11930	11831
35°	12303	11674	11587
40°	12070	11392	11314
45°	11778	11112	10994
50°	11496	10794	10703
55°	11145	10400	10297
60°	10751	9949	9898
65°	10334	9413	9348
70°	9619	8736	8777
75°	8755	7942	8095
80°	7480	6887	7339
85°	5882	5969	6449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	3.0
10°-20°	330.5	8.6
20°-30°	500.8	13.0
30°-40°	604.6	15.7
40°-50°	631.3	16.4
50°-60°	580.0	15.0
60°-70°	458.6	11.9
70°-80°	290.3	7.5
80°-90°	124.8	3.2
90°-100°	54.9	1.4
100°-110°	49.2	1.3
110°-120°	41.5	1.1
120°-130°	32.4	0.8
130°-140°	22.4	0.6
140°-150°	13.4	0.3
150°-160°	6.6	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	946.5	24.5
0°-40°	1551.0	40.2
0°-60°	2762.3	71.6
0°-90°	3636.0	94.2
90°-120°	145.6	3.8
90°-150°	213.8	5.5
90°-180°	223.0	5.8
0°-180°	3859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1219	1216	1203	1213	1209	116
15°	1171	1171	1164	1177	1175	330
25°	1076	1081	1082	1097	1095	496
35°	943	954	966	981	985	590
45°	782	801	821	837	843	604
55°	603	627	653	674	679	539
65°	415	438	469	491	498	408
75°	219	245	280	304	316	232
85°	53	82	118	143	152	59
90°	3	29	60	84	93	4
95°	1	25	55	76	85	1
105°	1	23	51	72	79	1
115°	1	20	46	65	72	1
125°	1	18	39	56	62	1
135°	1	14	31	44	50	1
145°	1	10	22	34	37	1
155°	1	7	14	21	25	1
165°	2	5	8	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.4	1214.4	1214.4	1214.4	1214.4
2.5°	1223.2	1219.1	1205.5	1215.0	1210.3
5°	1219.1	1215.7	1202.7	1213.0	1208.9
7.5°	1211.6	1208.9	1197.3	1208.2	1204.1
10°	1201.4	1199.3	1189.1	1200.0	1197.3
12.5°	1188.4	1187.7	1177.5	1189.8	1187.7
15°	1170.6	1170.6	1164.5	1176.8	1174.7
17.5°	1151.5	1152.2	1147.4	1160.4	1159.0
20°	1128.2	1131.7	1128.2	1141.9	1140.6
22.5°	1103.0	1107.7	1106.4	1120.0	1120.7
25°	1076.3	1081.1	1082.5	1096.8	1094.8
27.5°	1046.9	1054.4	1057.2	1070.2	1069.5
30°	1012.8	1023.0	1029.2	1040.1	1043.5
32.5°	977.9	990.2	997.7	1012.8	1016.9
35°	943.1	954.0	966.3	981.3	984.7
37.5°	904.8	917.1	933.5	947.8	951.9
40°	866.5	880.2	895.9	911.6	917.8
42.5°	826.9	841.2	858.3	876.8	882.9
45°	781.8	800.9	821.4	837.1	842.6
47.5°	738.7	759.9	781.8	798.9	805.0
50°	695.0	717.5	740.8	756.5	766.1
52.5°	649.2	673.8	697.0	716.9	723.0
55°	602.7	627.3	653.3	674.5	679.3
57.5°	557.6	581.6	607.5	627.3	636.9
60°	508.4	534.4	562.4	582.2	592.5
62.5°	460.6	485.9	515.9	537.1	545.3
65°	414.8	438.0	468.8	490.7	498.2
67.5°	364.2	390.9	420.3	445.6	455.1
70°	314.4	339.6	373.1	397.0	406.6
72.5°	267.9	292.5	326.0	349.9	358.8
75°	218.7	244.6	280.2	304.1	315.7
77.5°	171.5	200.2	234.4	260.4	273.3
80°	127.8	153.1	190.0	218.7	230.3
82.5°	86.8	114.1	152.4	179.0	192.0
85°	53.3	82.0	117.5	142.8	151.7
87.5°	25.3	52.6	85.4	110.0	121.0
90°	3.4	29.4	60.1	84.1	92.9
92.5°	0.7	25.3	55.4	77.9	86.1
95°	0.7	25.3	54.7	76.5	84.7
97.5°	0.7	24.6	54.0	75.9	83.4
100°	0.7	23.9	53.3	74.5	82.7
102.5°	0.7	23.9	51.9	73.1	80.6
105°	0.7	23.2	51.3	71.8	79.3
107.5°	0.7	22.6	49.9	70.4	77.9
110°	0.7	21.2	49.2	68.3	75.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.5	47.8	67.0	73.8
115°	0.7	19.8	46.5	64.9	71.8
117.5°	0.7	19.1	44.4	62.9	69.7
120°	1.4	19.1	43.1	60.8	67.0
122.5°	1.4	18.5	41.0	58.1	64.2
125°	1.4	17.8	39.0	56.0	62.2
127.5°	1.4	17.1	36.9	53.3	58.8
130°	1.4	15.7	35.5	50.6	56.0
132.5°	1.4	15.0	33.5	47.2	52.6
135°	1.4	13.7	31.4	44.4	49.9
137.5°	1.4	13.0	29.4	41.7	46.5
140°	1.4	12.3	26.7	39.0	43.7
142.5°	1.4	10.9	24.6	36.2	40.3
145°	1.4	10.3	21.9	33.5	36.9
147.5°	1.4	8.9	19.8	30.8	34.2
150°	1.4	8.2	17.8	28.0	31.4
152.5°	1.4	7.5	15.7	24.6	28.0
155°	1.4	6.8	14.4	21.2	25.3
157.5°	1.4	6.2	12.3	18.5	22.6
160°	2.1	5.5	10.9	15.7	19.1
162.5°	2.1	4.8	8.9	13.0	17.1
165°	2.1	4.8	7.5	10.3	14.4
167.5°	2.1	4.1	6.2	8.2	11.6
170°	2.1	3.4	5.5	6.2	8.9
172.5°	2.1	2.7	4.1	4.1	4.8
175°	2.1	2.7	3.4	3.4	2.1
177.5°	2.1	2.1	2.1	2.1	1.4
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)