

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: P566523

Luminaire Tested: **4SNX-51SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566523
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-L935-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

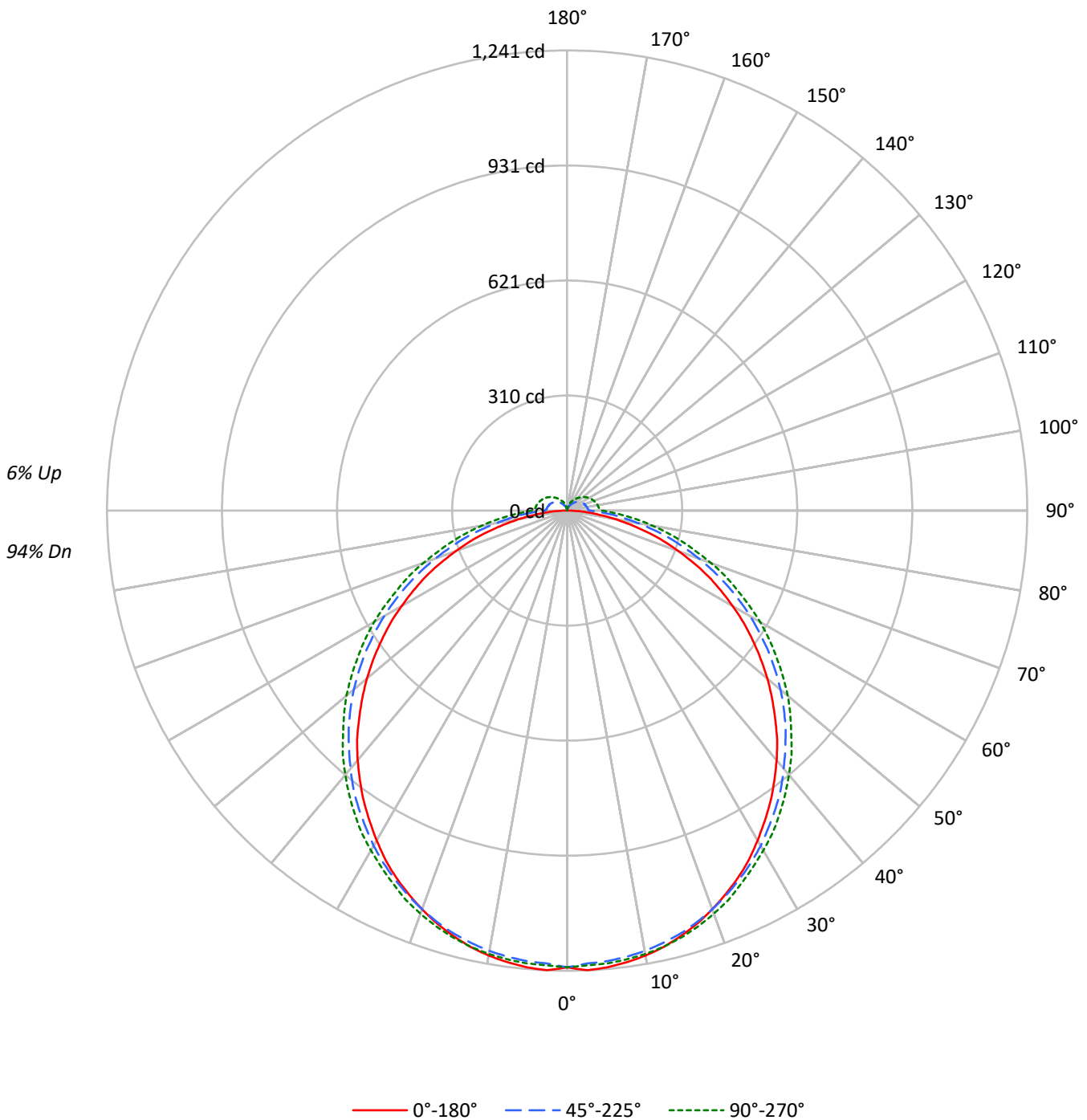
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3914.0 lumens
Efficiency: N/A
Efficacy: 111.8 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	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°	13258	13258	13258
5°	13348	13038	13058
10°	13294	12897	12893
15°	13194	12734	12710
20°	13058	12536	12493
25°	12903	12320	12237
30°	12691	12099	12000
35°	12478	11841	11753
40°	12243	11554	11475
45°	11945	11271	11151
50°	11659	10947	10855
55°	11304	10548	10444
60°	10905	10091	10038
65°	10481	9547	9481
70°	9754	8861	8902
75°	8879	8055	8210
80°	7585	6985	7444
85°	5971	6055	6543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	3.0
10°-20°	335.2	8.6
20°-30°	507.9	13.0
30°-40°	613.2	15.7
40°-50°	640.3	16.4
50°-60°	588.3	15.0
60°-70°	465.2	11.9
70°-80°	294.4	7.5
80°-90°	126.6	3.2
90°-100°	55.7	1.4
100°-110°	49.9	1.3
110°-120°	42.1	1.1
120°-130°	32.8	0.8
130°-140°	22.7	0.6
140°-150°	13.6	0.3
150°-160°	6.7	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	959.9	24.5
0°-40°	1573.1	40.2
0°-60°	2801.7	71.6
0°-90°	3687.9	94.2
90°-120°	147.7	3.8
90°-150°	216.9	5.5
90°-180°	226.0	5.8
0°-180°	3914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1232	1232	1232	1232	1232	
5°	1236	1233	1220	1230	1226	117
15°	1187	1187	1181	1194	1192	335
25°	1092	1096	1098	1112	1110	503
35°	956	968	980	995	999	598
45°	793	812	833	849	855	612
55°	611	636	663	684	689	547
65°	421	444	476	498	505	414
75°	222	248	284	308	320	235
85°	54	83	119	145	154	60
90°	4	30	61	85	94	5
95°	1	26	55	78	86	1
105°	1	24	52	73	80	1
115°	1	20	47	66	73	1
125°	1	18	40	57	63	1
135°	1	14	32	45	51	1
145°	1	10	22	34	37	1
155°	1	7	15	22	26	1
165°	2	5	8	10	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°	1231.7	1231.7	1231.7	1231.7	1231.7
2.5°	1240.7	1236.5	1222.7	1232.4	1227.5
5°	1236.5	1233.0	1219.9	1230.3	1226.1
7.5°	1228.9	1226.1	1214.3	1225.4	1221.3
10°	1218.5	1216.4	1206.0	1217.1	1214.3
12.5°	1205.3	1204.6	1194.2	1206.7	1204.6
15°	1187.3	1187.3	1181.1	1193.5	1191.5
17.5°	1167.9	1168.6	1163.7	1176.9	1175.5
20°	1144.3	1147.8	1144.3	1158.2	1156.8
22.5°	1118.7	1123.5	1122.2	1136.0	1136.7
25°	1091.7	1096.5	1097.9	1112.4	1110.4
27.5°	1061.8	1069.5	1072.2	1085.4	1084.7
30°	1027.2	1037.6	1043.8	1054.9	1058.4
32.5°	991.8	1004.3	1011.9	1027.2	1031.4
35°	956.5	967.6	980.1	995.3	998.8
37.5°	917.7	930.2	946.8	961.3	965.5
40°	878.9	892.7	908.7	924.6	930.9
42.5°	838.7	853.2	870.6	889.3	895.5
45°	792.9	812.3	833.1	849.1	854.6
47.5°	749.3	770.7	792.9	810.2	816.5
50°	704.9	727.8	751.3	767.3	777.0
52.5°	658.5	683.4	707.0	727.1	733.3
55°	611.3	636.3	662.6	684.1	689.0
57.5°	565.6	589.8	616.2	636.3	646.0
60°	515.7	542.0	570.4	590.5	600.9
62.5°	467.2	492.8	523.3	544.8	553.1
65°	420.7	444.3	475.5	497.7	505.3
67.5°	369.4	396.5	426.3	451.9	461.6
70°	318.8	344.5	378.4	402.7	412.4
72.5°	271.7	296.7	330.6	354.9	363.9
75°	221.8	248.1	284.2	308.4	320.2
77.5°	174.0	203.1	237.7	264.1	277.2
80°	129.6	155.3	192.7	221.8	233.6
82.5°	88.0	115.7	154.6	181.6	194.8
85°	54.1	83.2	119.2	144.9	153.9
87.5°	25.6	53.4	86.6	111.6	122.7
90°	3.5	29.8	61.0	85.3	94.3
92.5°	0.7	25.6	56.1	79.0	87.3
95°	0.7	25.6	55.4	77.6	85.9
97.5°	0.7	25.0	54.8	76.9	84.6
100°	0.7	24.3	54.1	75.5	83.9
102.5°	0.7	24.3	52.7	74.2	81.8
105°	0.7	23.6	52.0	72.8	80.4
107.5°	0.7	22.9	50.6	71.4	79.0
110°	0.7	21.5	49.9	69.3	76.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.8	48.5	67.9	74.9
115°	0.7	20.1	47.1	65.8	72.8
117.5°	0.7	19.4	45.1	63.8	70.7
120°	1.4	19.4	43.7	61.7	67.9
122.5°	1.4	18.7	41.6	58.9	65.2
125°	1.4	18.0	39.5	56.8	63.1
127.5°	1.4	17.3	37.4	54.1	59.6
130°	1.4	15.9	36.0	51.3	56.8
132.5°	1.4	15.2	34.0	47.8	53.4
135°	1.4	13.9	31.9	45.1	50.6
137.5°	1.4	13.2	29.8	42.3	47.1
140°	1.4	12.5	27.0	39.5	44.4
142.5°	1.4	11.1	25.0	36.7	40.9
145°	1.4	10.4	22.2	34.0	37.4
147.5°	1.4	9.0	20.1	31.2	34.7
150°	1.4	8.3	18.0	28.4	31.9
152.5°	1.4	7.6	15.9	25.0	28.4
155°	1.4	6.9	14.6	21.5	25.6
157.5°	1.4	6.2	12.5	18.7	22.9
160°	2.1	5.5	11.1	15.9	19.4
162.5°	2.1	4.9	9.0	13.2	17.3
165°	2.1	4.9	7.6	10.4	14.6
167.5°	2.1	4.2	6.2	8.3	11.8
170°	2.1	3.5	5.5	6.2	9.0
172.5°	2.1	2.8	4.2	4.2	4.9
175°	2.1	2.8	3.5	3.5	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)