

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: P566546

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-51SL-LW-UNV-L930-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

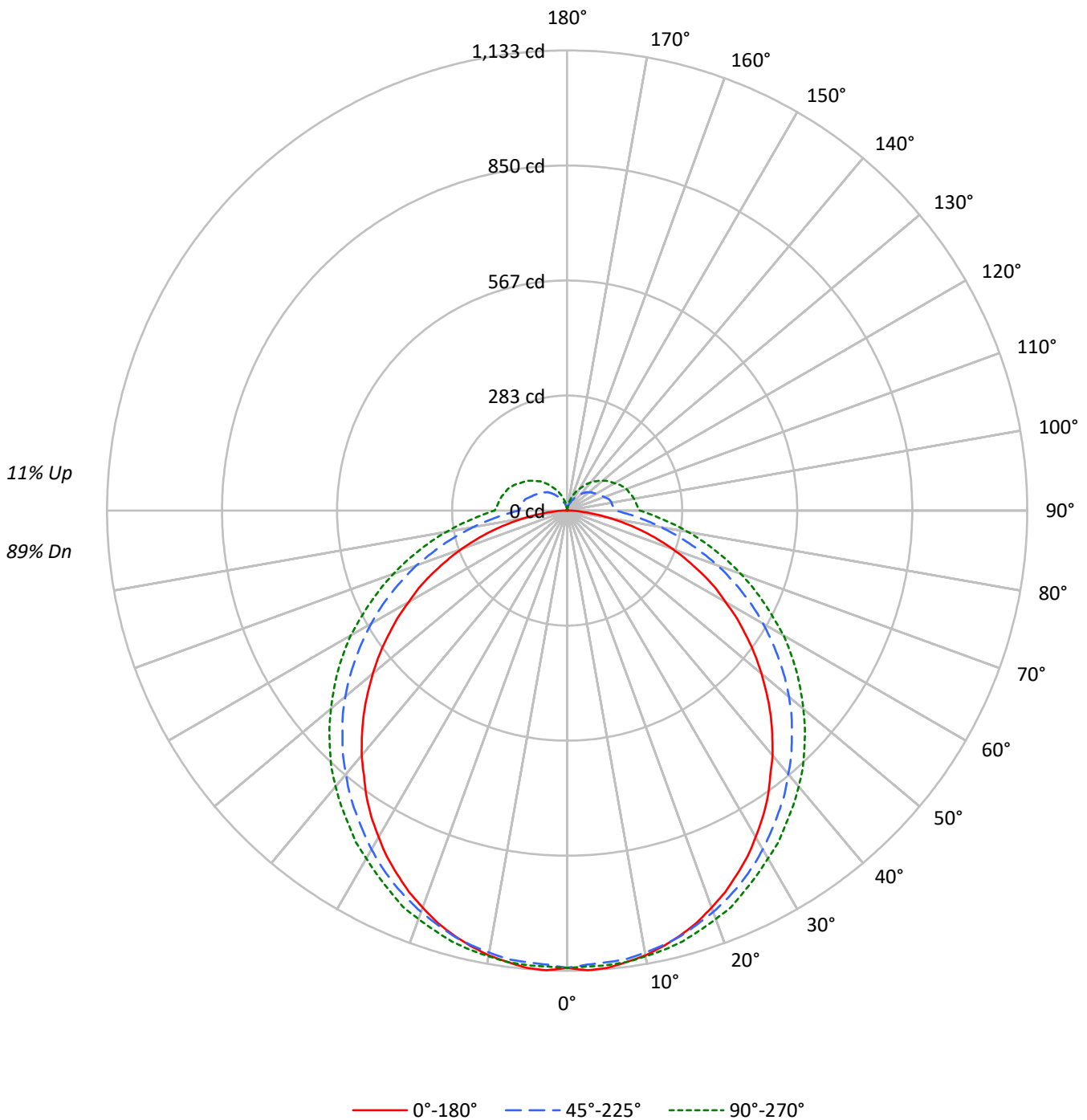
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4008.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-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

TEST NUMBER: P566546
CATALOG NUMBER: 4SNX-51SL-LW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566546

CATALOG NUMBER: 4SNX-51SL-LW-UNV-L930-CD

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12119	12119	12119
5°	12171	11558	11470
10°	12064	11098	10897
15°	11922	10651	10381
20°	11735	10188	9864
25°	11521	9744	9359
30°	11269	9288	8875
35°	10996	8829	8422
40°	10683	8383	7991
45°	10346	7934	7548
50°	9961	7474	7084
55°	9540	6959	6627
60°	9041	6422	6146
65°	8522	5844	5597
70°	7800	5226	5057
75°	6853	4509	4484
80°	5355	3785	3913
85°	3497	3113	3325



TEST NUMBER: P566546

CATALOG NUMBER: 4SNX-51SL-LW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	2.7
10°-20°	307.4	7.7
20°-30°	467.4	11.7
30°-40°	567.3	14.2
40°-50°	599.5	15.0
50°-60°	561.0	14.0
60°-70°	460.3	11.5
70°-80°	316.6	7.9
80°-90°	173.4	4.3
90°-100°	111.6	2.8
100°-110°	100.2	2.5
110°-120°	82.9	2.1
120°-130°	63.9	1.6
130°-140°	44.9	1.1
140°-150°	27.0	0.7
150°-160°	12.9	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	881.7	22.0
0°-40°	1449.0	36.2
0°-60°	2609.5	65.1
0°-90°	3559.8	88.8
90°-120°	294.7	7.4
90°-150°	430.5	10.7
90°-180°	448.0	11.2
0°-180°	4008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1130	1128	1117	1126	1124	107
15°	1082	1086	1084	1098	1098	305
25°	989	1000	1012	1033	1033	456
35°	861	882	908	933	940	538
45°	708	740	782	817	826	546
55°	539	583	636	676	689	482
65°	364	413	476	520	534	361
75°	190	241	311	360	376	200
85°	42	100	170	216	232	48
90°	0	56	118	162	179	3
95°	0	53	114	156	172	0
105°	0	44	107	146	160	2
115°	2	40	90	130	146	2
125°	2	32	77	111	125	2
135°	2	26	63	90	102	2
145°	2	19	44	70	77	1
155°	2	12	28	44	51	1
165°	2	7	14	21	26	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566546

CATALOG NUMBER: 4SNX-51SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1132.8	1130.5	1118.9	1128.2	1123.5
5°	1130.5	1128.2	1116.6	1125.9	1123.5
7.5°	1121.2	1121.2	1114.2	1123.5	1121.2
10°	1111.9	1111.9	1105.0	1116.6	1114.2
12.5°	1098.0	1100.3	1095.7	1109.6	1107.3
15°	1081.8	1086.4	1084.1	1098.0	1098.0
17.5°	1063.2	1067.8	1067.8	1084.1	1084.1
20°	1040.0	1046.9	1051.6	1070.1	1070.1
22.5°	1016.8	1026.0	1033.0	1049.3	1056.2
25°	988.9	1000.5	1012.1	1033.0	1033.0
27.5°	961.0	975.0	988.9	1009.8	1012.1
30°	928.5	944.8	963.4	984.3	988.9
32.5°	896.0	916.9	935.5	961.0	968.0
35°	861.2	882.1	907.6	933.2	940.1
37.5°	821.8	847.3	879.8	907.6	914.6
40°	786.9	814.8	847.3	879.8	886.8
42.5°	747.5	777.7	817.1	847.3	858.9
45°	708.0	740.5	782.3	817.1	826.4
47.5°	666.2	703.4	749.8	782.3	793.9
50°	624.4	663.9	712.7	749.8	759.1
52.5°	582.7	624.4	675.5	712.7	724.3
55°	538.6	582.7	636.1	675.5	689.4
57.5°	496.8	540.9	596.6	638.4	652.3
60°	450.3	501.4	557.1	598.9	615.2
62.5°	410.9	457.3	517.7	559.4	573.4
65°	364.5	413.2	475.9	520.0	533.9
67.5°	320.3	371.4	434.1	480.5	494.4
70°	276.2	327.3	394.6	438.7	455.0
72.5°	232.1	285.5	350.5	399.3	415.5
75°	190.4	241.4	311.1	359.8	376.1
77.5°	146.2	202.0	271.6	320.3	338.9
80°	106.8	164.8	234.5	283.2	301.8
82.5°	72.0	130.0	199.6	248.4	267.0
85°	41.8	99.8	169.5	215.9	232.1
87.5°	20.9	76.6	141.6	188.0	204.3
90°	0.0	55.7	118.4	162.5	178.7
92.5°	0.0	53.4	116.1	157.9	174.1
95°	0.0	53.4	113.7	155.5	171.8
97.5°	0.0	51.1	111.4	155.5	169.5
100°	0.0	48.7	111.4	153.2	167.1
102.5°	0.0	46.4	109.1	150.9	164.8
105°	0.0	44.1	106.8	146.2	160.2
107.5°	2.3	44.1	102.1	143.9	157.9
110°	2.3	41.8	97.5	141.6	155.5



TEST NUMBER: P566546

CATALOG NUMBER: 4SNX-51SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.5	92.9	137.0	150.9
115°	2.3	39.5	90.5	130.0	146.2
117.5°	2.3	37.1	85.9	125.4	141.6
120°	2.3	37.1	83.6	120.7	134.6
122.5°	2.3	34.8	78.9	116.1	130.0
125°	2.3	32.5	76.6	111.4	125.4
127.5°	2.3	30.2	74.3	106.8	120.7
130°	2.3	27.9	69.6	102.1	113.7
132.5°	2.3	27.9	67.3	95.2	109.1
135°	2.3	25.5	62.7	90.5	102.1
137.5°	2.3	23.2	58.0	85.9	97.5
140°	2.3	20.9	53.4	81.2	90.5
142.5°	2.3	20.9	48.7	74.3	83.6
145°	2.3	18.6	44.1	69.6	76.6
147.5°	2.3	16.2	39.5	62.7	69.6
150°	2.3	16.2	34.8	55.7	62.7
152.5°	2.3	13.9	30.2	51.1	58.0
155°	2.3	11.6	27.9	44.1	51.1
157.5°	2.3	11.6	23.2	37.1	44.1
160°	2.3	9.3	20.9	30.2	37.1
162.5°	2.3	9.3	18.6	25.5	32.5
165°	2.3	7.0	13.9	20.9	25.5
167.5°	2.3	7.0	11.6	16.2	20.9
170°	2.3	4.6	9.3	11.6	16.2
172.5°	2.3	4.6	7.0	7.0	7.0
175°	2.3	2.3	4.6	4.6	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)