

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: P566554

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566554
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-SLW-UNV-L930-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

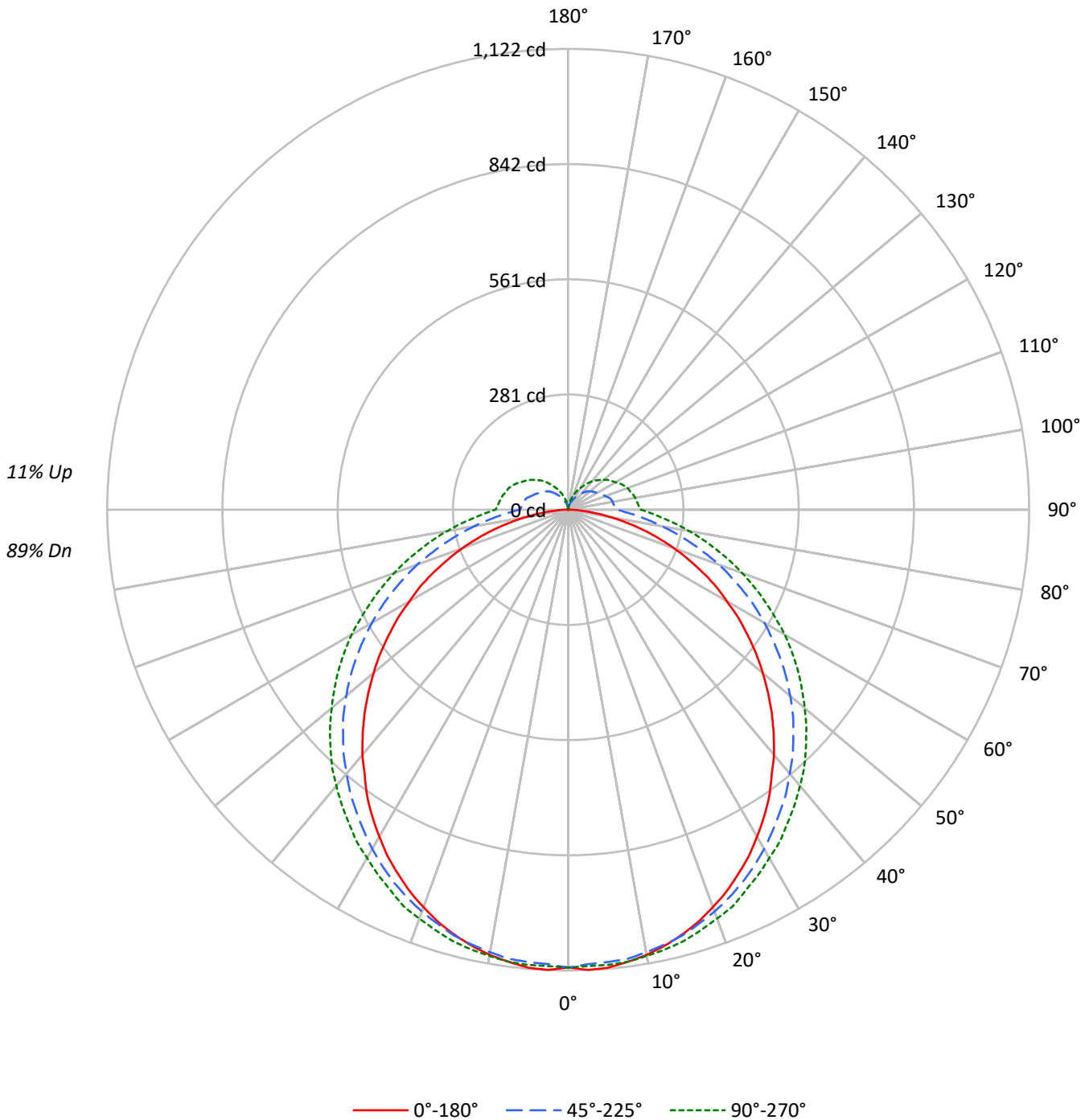
Lumens per Lamp: N/A
Luminaire Lumens: 3968.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

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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	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	76	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°	11997	11997	11997
5°	12071	11689	11679
10°	11988	11453	11390
15°	11869	11211	11124
20°	11705	10933	10828
25°	11516	10660	10518
30°	11291	10361	10211
35°	11043	10052	9924
40°	10760	9746	9648
45°	10453	9436	9351
50°	10102	9107	9017
55°	9718	8713	8690
60°	9264	8292	8324
65°	8798	7817	7864
70°	8143	7296	7413
75°	7276	6634	6915
80°	5862	5958	6425
85°	4133	5381	5919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.7
10°-20°	304.3	7.7
20°-30°	462.7	11.7
30°-40°	561.7	14.2
40°-50°	593.5	15.0
50°-60°	555.4	14.0
60°-70°	455.7	11.5
70°-80°	313.4	7.9
80°-90°	171.6	4.3
90°-100°	110.6	2.8
100°-110°	99.2	2.5
110°-120°	82.1	2.1
120°-130°	63.2	1.6
130°-140°	44.4	1.1
140°-150°	26.8	0.7
150°-160°	12.8	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	872.9	22.0
0°-40°	1434.5	36.2
0°-60°	2583.5	65.1
0°-90°	3524.2	88.8
90°-120°	291.8	7.4
90°-150°	426.2	10.7
90°-180°	444.0	11.2
0°-180°	3968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1119	1117	1105	1115	1112	106
15°	1071	1076	1073	1087	1087	302
25°	979	990	1002	1023	1023	451
35°	853	873	899	924	931	533
45°	701	733	774	809	818	540
55°	533	577	630	669	683	477
65°	361	409	471	515	529	357
75°	188	239	308	356	372	198
85°	41	99	168	214	230	48
90°	0	55	117	161	177	3
95°	0	53	113	154	170	0
105°	0	44	106	145	159	2
115°	2	39	90	129	145	2
125°	2	32	76	110	124	2
135°	2	25	62	90	101	2
145°	2	18	44	69	76	1
155°	2	12	28	44	51	1
165°	2	7	14	21	25	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.6	1114.6	1114.6	1114.6	1114.6
2.5°	1121.5	1119.2	1107.7	1116.9	1112.3
5°	1119.2	1116.9	1105.4	1114.6	1112.3
7.5°	1110.0	1110.0	1103.1	1112.3	1110.0
10°	1100.8	1100.8	1093.9	1105.4	1103.1
12.5°	1087.0	1089.3	1084.7	1098.5	1096.2
15°	1071.0	1075.6	1073.3	1087.0	1087.0
17.5°	1052.6	1057.2	1057.2	1073.3	1073.3
20°	1029.6	1036.5	1041.1	1059.5	1059.5
22.5°	1006.6	1015.8	1022.7	1038.8	1045.7
25°	979.0	990.5	1002.0	1022.7	1022.7
27.5°	951.4	965.2	979.0	999.7	1002.0
30°	919.3	935.4	953.7	974.4	979.0
32.5°	887.1	907.8	926.2	951.4	958.3
35°	852.6	873.3	898.6	923.9	930.8
37.5°	813.6	838.8	871.0	898.6	905.5
40°	779.1	806.7	838.8	871.0	877.9
42.5°	740.0	769.9	809.0	838.8	850.3
45°	700.9	733.1	774.5	809.0	818.2
47.5°	659.6	696.4	742.3	774.5	786.0
50°	618.2	657.3	705.5	742.3	751.5
52.5°	576.8	618.2	668.8	705.5	717.0
55°	533.2	576.8	629.7	668.8	682.6
57.5°	491.8	535.5	590.6	632.0	645.8
60°	445.8	496.4	551.6	592.9	609.0
62.5°	406.8	452.7	512.5	553.9	567.7
65°	360.8	409.1	471.1	514.8	528.6
67.5°	317.1	367.7	429.8	475.7	489.5
70°	273.5	324.0	390.7	434.4	450.4
72.5°	229.8	282.7	347.0	395.3	411.4
75°	188.5	239.0	308.0	356.2	372.3
77.5°	144.8	199.9	268.9	317.1	335.5
80°	105.7	163.2	232.1	280.4	298.8
82.5°	71.2	128.7	197.6	245.9	264.3
85°	41.4	98.8	167.8	213.7	229.8
87.5°	20.7	75.8	140.2	186.2	202.2
90°	0.0	55.2	117.2	160.9	177.0
92.5°	0.0	52.9	114.9	156.3	172.4
95°	0.0	52.9	112.6	154.0	170.1
97.5°	0.0	50.6	110.3	154.0	167.8
100°	0.0	48.3	110.3	151.7	165.5
102.5°	0.0	46.0	108.0	149.4	163.2
105°	0.0	43.7	105.7	144.8	158.6
107.5°	2.3	43.7	101.1	142.5	156.3
110°	2.3	41.4	96.5	140.2	154.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.1	91.9	135.6	149.4
115°	2.3	39.1	89.6	128.7	144.8
117.5°	2.3	36.8	85.0	124.1	140.2
120°	2.3	36.8	82.7	119.5	133.3
122.5°	2.3	34.5	78.1	114.9	128.7
125°	2.3	32.2	75.8	110.3	124.1
127.5°	2.3	29.9	73.5	105.7	119.5
130°	2.3	27.6	68.9	101.1	112.6
132.5°	2.3	27.6	66.6	94.2	108.0
135°	2.3	25.3	62.1	89.6	101.1
137.5°	2.3	23.0	57.5	85.0	96.5
140°	2.3	20.7	52.9	80.4	89.6
142.5°	2.3	20.7	48.3	73.5	82.7
145°	2.3	18.4	43.7	68.9	75.8
147.5°	2.3	16.1	39.1	62.1	68.9
150°	2.3	16.1	34.5	55.2	62.1
152.5°	2.3	13.8	29.9	50.6	57.5
155°	2.3	11.5	27.6	43.7	50.6
157.5°	2.3	11.5	23.0	36.8	43.7
160°	2.3	9.2	20.7	29.9	36.8
162.5°	2.3	9.2	18.4	25.3	32.2
165°	2.3	6.9	13.8	20.7	25.3
167.5°	2.3	6.9	11.5	16.1	20.7
170°	2.3	4.6	9.2	11.5	16.1
172.5°	2.3	4.6	6.9	6.9	6.9
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)