

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: P566547

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566547
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-L935-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

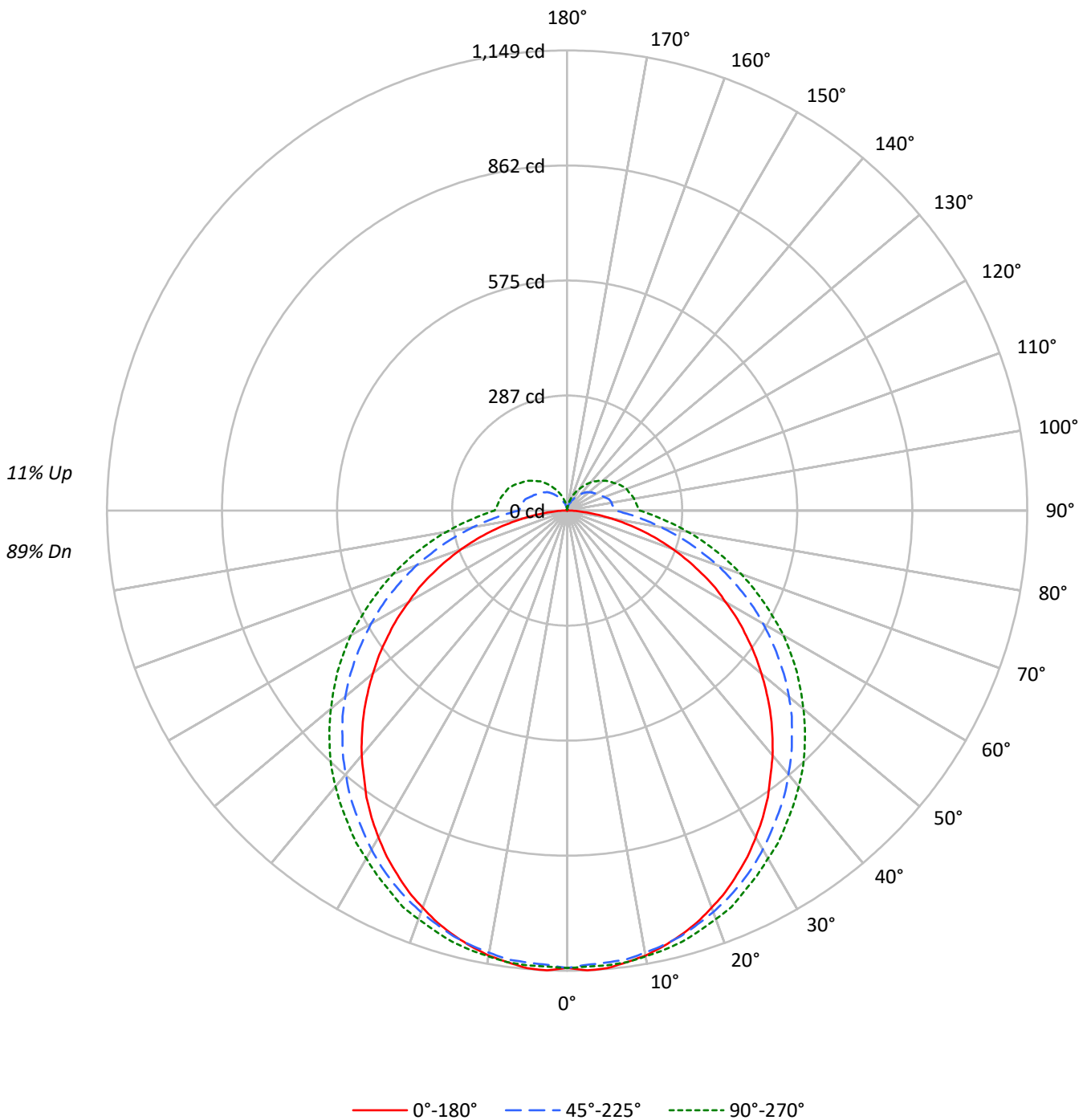
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4066.0 lumens
Efficiency: N/A
Efficacy: 116.2 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 (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	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°	12293	12293	12293
5°	12347	11725	11637
10°	12239	11258	11056
15°	12094	10806	10532
20°	11904	10336	10007
25°	11688	9886	9495
30°	11433	9422	9003
35°	11155	8958	8545
40°	10838	8504	8106
45°	10497	8049	7657
50°	10107	7582	7186
55°	9676	7060	6724
60°	9174	6515	6235
65°	8644	5929	5677
70°	7913	5302	5130
75°	6950	4574	4549
80°	5430	3838	3969
85°	3547	3157	3374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	2.7
10°-20°	311.8	7.7
20°-30°	474.1	11.7
30°-40°	575.5	14.2
40°-50°	608.2	15.0
50°-60°	569.1	14.0
60°-70°	467.0	11.5
70°-80°	321.2	7.9
80°-90°	175.9	4.3
90°-100°	113.3	2.8
100°-110°	101.6	2.5
110°-120°	84.1	2.1
120°-130°	64.8	1.6
130°-140°	45.5	1.1
140°-150°	27.4	0.7
150°-160°	13.1	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	894.4	22.0
0°-40°	1470.0	36.2
0°-60°	2647.3	65.1
0°-90°	3611.3	88.8
90°-120°	299.0	7.4
90°-150°	436.8	10.7
90°-180°	455.0	11.2
0°-180°	4066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1142	1142	1142	1142	1142	
5°	1147	1144	1133	1142	1140	109
15°	1097	1102	1100	1114	1114	309
25°	1003	1015	1027	1048	1048	462
35°	874	895	921	947	954	546
45°	718	751	794	829	838	554
55°	546	591	645	685	699	489
65°	370	419	483	528	542	366
75°	193	245	316	365	382	203
85°	42	101	172	219	236	49
90°	0	56	120	165	181	3
95°	0	54	115	158	174	0
105°	0	45	108	148	162	2
115°	2	40	92	132	148	2
125°	2	33	78	113	127	2
135°	2	26	64	92	104	2
145°	2	19	45	71	78	2
155°	2	12	28	45	52	1
165°	2	7	14	21	26	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°	1142.1	1142.1	1142.1	1142.1	1142.1
2.5°	1149.2	1146.9	1135.1	1144.5	1139.8
5°	1146.9	1144.5	1132.7	1142.1	1139.8
7.5°	1137.4	1137.4	1130.4	1139.8	1137.4
10°	1128.0	1128.0	1121.0	1132.7	1130.4
12.5°	1113.9	1116.2	1111.5	1125.7	1123.3
15°	1097.4	1102.1	1099.8	1113.9	1113.9
17.5°	1078.6	1083.3	1083.3	1099.8	1099.8
20°	1055.0	1062.1	1066.8	1085.6	1085.6
22.5°	1031.5	1040.9	1048.0	1064.4	1071.5
25°	1003.2	1015.0	1026.8	1048.0	1048.0
27.5°	974.9	989.1	1003.2	1024.4	1026.8
30°	942.0	958.5	977.3	998.5	1003.2
32.5°	909.0	930.2	949.0	974.9	982.0
35°	873.7	894.9	920.8	946.7	953.8
37.5°	833.7	859.6	892.5	920.8	927.8
40°	798.3	826.6	859.6	892.5	899.6
42.5°	758.3	788.9	828.9	859.6	871.3
45°	718.3	751.2	793.6	828.9	838.4
47.5°	675.9	713.5	760.6	793.6	805.4
50°	633.5	673.5	723.0	760.6	770.1
52.5°	591.1	633.5	685.3	723.0	734.7
55°	546.3	591.1	645.3	685.3	699.4
57.5°	504.0	548.7	605.2	647.6	661.7
60°	456.9	508.7	565.2	607.6	624.1
62.5°	416.8	463.9	525.2	567.5	581.7
65°	369.7	419.2	482.8	527.5	541.6
67.5°	325.0	376.8	440.4	487.5	501.6
70°	280.2	332.0	400.3	445.1	461.6
72.5°	235.5	289.7	355.6	405.1	421.5
75°	193.1	244.9	315.6	365.0	381.5
77.5°	148.4	204.9	275.5	325.0	343.8
80°	108.3	167.2	237.8	287.3	306.1
82.5°	73.0	131.9	202.5	252.0	270.8
85°	42.4	101.3	171.9	219.0	235.5
87.5°	21.2	77.7	143.7	190.8	207.2
90°	0.0	56.5	120.1	164.8	181.3
92.5°	0.0	54.2	117.7	160.1	176.6
95°	0.0	54.2	115.4	157.8	174.3
97.5°	0.0	51.8	113.0	157.8	171.9
100°	0.0	49.5	113.0	155.4	169.6
102.5°	0.0	47.1	110.7	153.1	167.2
105°	0.0	44.7	108.3	148.4	162.5
107.5°	2.4	44.7	103.6	146.0	160.1
110°	2.4	42.4	98.9	143.7	157.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	40.0	94.2	138.9	153.1
115°	2.4	40.0	91.8	131.9	148.4
117.5°	2.4	37.7	87.1	127.2	143.7
120°	2.4	37.7	84.8	122.5	136.6
122.5°	2.4	35.3	80.1	117.7	131.9
125°	2.4	33.0	77.7	113.0	127.2
127.5°	2.4	30.6	75.4	108.3	122.5
130°	2.4	28.3	70.6	103.6	115.4
132.5°	2.4	28.3	68.3	96.6	110.7
135°	2.4	25.9	63.6	91.8	103.6
137.5°	2.4	23.5	58.9	87.1	98.9
140°	2.4	21.2	54.2	82.4	91.8
142.5°	2.4	21.2	49.5	75.4	84.8
145°	2.4	18.8	44.7	70.6	77.7
147.5°	2.4	16.5	40.0	63.6	70.6
150°	2.4	16.5	35.3	56.5	63.6
152.5°	2.4	14.1	30.6	51.8	58.9
155°	2.4	11.8	28.3	44.7	51.8
157.5°	2.4	11.8	23.5	37.7	44.7
160°	2.4	9.4	21.2	30.6	37.7
162.5°	2.4	9.4	18.8	25.9	33.0
165°	2.4	7.1	14.1	21.2	25.9
167.5°	2.4	7.1	11.8	16.5	21.2
170°	2.4	4.7	9.4	11.8	16.5
172.5°	2.4	4.7	7.1	7.1	7.1
175°	2.4	2.4	4.7	4.7	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)