

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: P566553

Luminaire Tested: **4SNX-51SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566553
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-L850-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

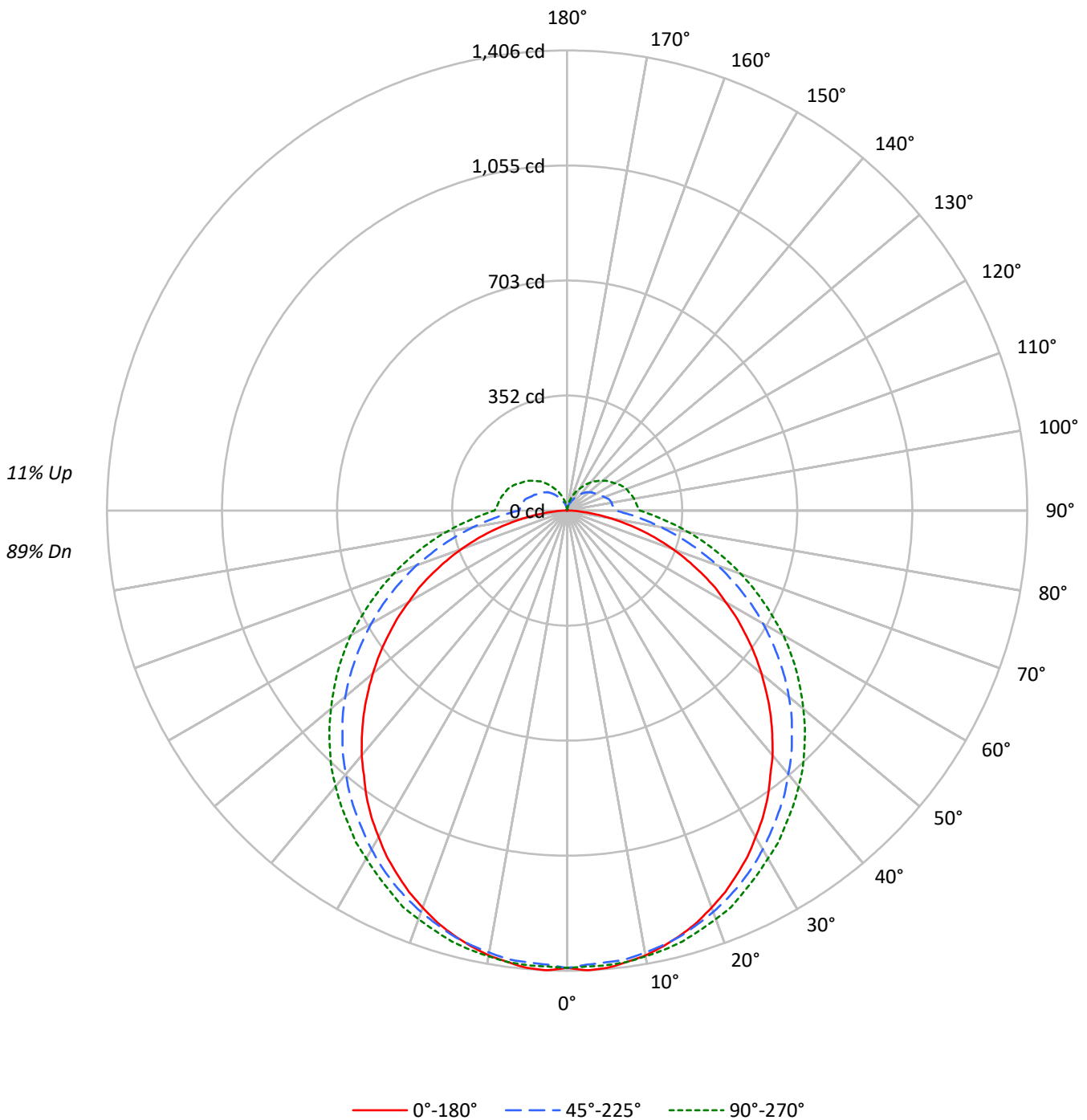
Lumens per Lamp: N/A
Luminaire Lumens: 4974.0 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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°	15039	15039	15039
5°	15132	14653	14640
10°	15027	14357	14278
15°	14878	14053	13944
20°	14673	13704	13573
25°	14435	13363	13185
30°	14153	12989	12800
35°	13843	12601	12439
40°	13488	12218	12094
45°	13104	11828	11721
50°	12663	11416	11302
55°	12182	10923	10892
60°	11614	10394	10434
65°	11029	9800	9858
70°	10207	9145	9293
75°	9117	8314	8669
80°	7349	7470	8052
85°	5181	6744	7421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	2.7
10°-20°	381.5	7.7
20°-30°	580.0	11.7
30°-40°	704.1	14.2
40°-50°	744.0	15.0
50°-60°	696.2	14.0
60°-70°	571.2	11.5
70°-80°	392.9	7.9
80°-90°	215.2	4.3
90°-100°	138.6	2.8
100°-110°	124.3	2.5
110°-120°	102.9	2.1
120°-130°	79.2	1.6
130°-140°	55.7	1.1
140°-150°	33.6	0.7
150°-160°	16.1	0.3
160°-170°	5.3	0.1
170°-180°	0.6	0.0
0°-30°	1094.2	22.0
0°-40°	1798.2	36.2
0°-60°	3238.4	65.1
0°-90°	4417.7	88.8
90°-120°	365.8	7.4
90°-150°	534.3	10.7
90°-180°	556.0	11.2
0°-180°	4974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1403	1400	1386	1397	1394	133
15°	1342	1348	1345	1363	1363	379
25°	1227	1242	1256	1282	1282	566
35°	1069	1095	1126	1158	1167	668
45°	879	919	971	1014	1026	677
55°	668	723	789	838	856	598
65°	452	513	591	645	663	448
75°	236	300	386	446	467	249
85°	52	124	210	268	288	60
90°	0	69	147	202	222	4
95°	0	66	141	193	213	0
105°	0	55	132	182	199	2
115°	3	49	112	161	182	3
125°	3	40	95	138	156	3
135°	3	32	78	112	127	2
145°	3	23	55	86	95	2
155°	3	14	35	55	63	1
165°	3	9	17	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1405.9	1403.0	1388.6	1400.1	1394.3
5°	1403.0	1400.1	1385.7	1397.2	1394.3
7.5°	1391.4	1391.4	1382.8	1394.3	1391.4
10°	1379.9	1379.9	1371.3	1385.7	1382.8
12.5°	1362.6	1365.5	1359.8	1377.0	1374.2
15°	1342.5	1348.2	1345.4	1362.6	1362.6
17.5°	1319.4	1325.2	1325.2	1345.4	1345.4
20°	1290.6	1299.3	1305.0	1328.1	1328.1
22.5°	1261.8	1273.3	1282.0	1302.1	1310.8
25°	1227.2	1241.6	1256.0	1282.0	1282.0
27.5°	1192.7	1210.0	1227.2	1253.2	1256.0
30°	1152.3	1172.5	1195.5	1221.5	1227.2
32.5°	1112.0	1137.9	1161.0	1192.7	1201.3
35°	1068.8	1094.7	1126.4	1158.1	1166.7
37.5°	1019.8	1051.5	1091.8	1126.4	1135.1
40°	976.6	1011.2	1051.5	1091.8	1100.5
42.5°	927.6	965.1	1014.1	1051.5	1065.9
45°	878.7	919.0	970.8	1014.1	1025.6
47.5°	826.8	872.9	930.5	970.8	985.2
50°	774.9	823.9	884.4	930.5	942.0
52.5°	723.1	774.9	838.3	884.4	898.8
55°	668.4	723.1	789.4	838.3	855.6
57.5°	616.5	671.2	740.4	792.2	809.5
60°	558.9	622.3	691.4	743.3	763.4
62.5°	509.9	567.5	642.4	694.3	711.6
65°	452.3	512.8	590.6	645.3	662.6
67.5°	397.6	460.9	538.7	596.3	613.6
70°	342.8	406.2	489.7	544.5	564.6
72.5°	288.1	354.3	435.0	495.5	515.7
75°	236.2	299.6	386.0	446.5	466.7
77.5°	181.5	250.6	337.1	397.6	420.6
80°	132.5	204.5	291.0	351.5	374.5
82.5°	89.3	161.3	247.8	308.3	331.3
85°	51.9	123.9	210.3	267.9	288.1
87.5°	25.9	95.1	175.7	233.3	253.5
90°	0.0	69.1	146.9	201.7	221.8
92.5°	0.0	66.3	144.0	195.9	216.1
95°	0.0	66.3	141.2	193.0	213.2
97.5°	0.0	63.4	138.3	193.0	210.3
100°	0.0	60.5	138.3	190.1	207.4
102.5°	0.0	57.6	135.4	187.3	204.5
105°	0.0	54.7	132.5	181.5	198.8
107.5°	2.9	54.7	126.8	178.6	195.9
110°	2.9	51.9	121.0	175.7	193.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	49.0	115.2	170.0	187.3
115°	2.9	49.0	112.4	161.3	181.5
117.5°	2.9	46.1	106.6	155.6	175.7
120°	2.9	46.1	103.7	149.8	167.1
122.5°	2.9	43.2	97.9	144.0	161.3
125°	2.9	40.3	95.1	138.3	155.6
127.5°	2.9	37.5	92.2	132.5	149.8
130°	2.9	34.6	86.4	126.8	141.2
132.5°	2.9	34.6	83.5	118.1	135.4
135°	2.9	31.7	77.8	112.4	126.8
137.5°	2.9	28.8	72.0	106.6	121.0
140°	2.9	25.9	66.3	100.8	112.4
142.5°	2.9	25.9	60.5	92.2	103.7
145°	2.9	23.0	54.7	86.4	95.1
147.5°	2.9	20.2	49.0	77.8	86.4
150°	2.9	20.2	43.2	69.1	77.8
152.5°	2.9	17.3	37.5	63.4	72.0
155°	2.9	14.4	34.6	54.7	63.4
157.5°	2.9	14.4	28.8	46.1	54.7
160°	2.9	11.5	25.9	37.5	46.1
162.5°	2.9	11.5	23.0	31.7	40.3
165°	2.9	8.6	17.3	25.9	31.7
167.5°	2.9	8.6	14.4	20.2	25.9
170°	2.9	5.8	11.5	14.4	20.2
172.5°	2.9	5.8	8.6	8.6	8.6
175°	2.9	2.9	5.8	5.8	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)