

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: P566106

Luminaire Tested: **4SNX-20SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-20SL-LN-UNV-L930-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

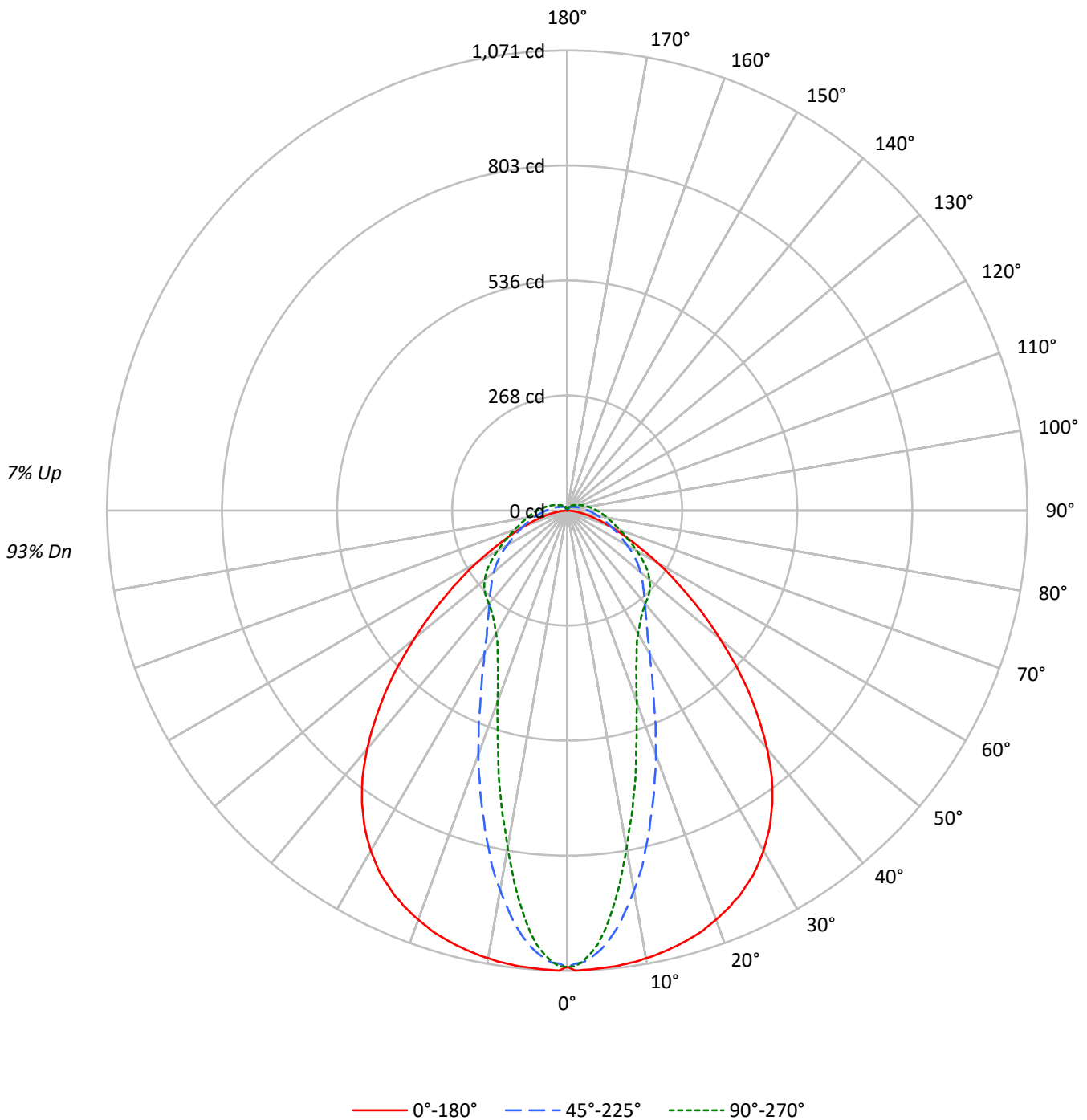
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1693.0 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 12.1
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11432	11432	11432
5°	11491	10507	10055
10°	11475	9009	7802
15°	11470	7349	5847
20°	11434	5854	4376
25°	11330	4588	3473
30°	11092	3713	2963
35°	10627	3142	2695
40°	9829	2774	2550
45°	8739	2538	2472
50°	7402	2335	2335
55°	6082	2116	2132
60°	4863	1862	1870
65°	3776	1634	1628
70°	2931	1445	1439
75°	2267	1299	1312
80°	1599	1188	1220
85°	887	1107	1169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	5.6
10°-20°	220.5	13.0
20°-30°	261.7	15.5
30°-40°	263.3	15.6
40°-50°	244.7	14.5
50°-60°	201.5	11.9
60°-70°	142.0	8.4
70°-80°	92.8	5.5
80°-90°	59.2	3.5
90°-100°	38.8	2.3
100°-110°	26.4	1.6
110°-120°	18.1	1.1
120°-130°	12.5	0.7
130°-140°	8.4	0.5
140°-150°	5.2	0.3
150°-160°	2.7	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	576.2	34.0
0°-40°	839.5	49.6
0°-60°	1285.8	75.9
0°-90°	1579.7	93.3
90°-120°	83.3	4.9
90°-150°	109.4	6.5
90°-180°	113.0	6.7
0°-180°	1693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1067	1053	1015	996	985	102
15°	1041	930	748	654	618	294
25°	972	719	476	400	383	448
35°	832	486	323	303	301	518
45°	598	320	250	264	271	459
55°	343	210	193	215	222	310
65°	162	127	133	150	155	164
75°	63	66	90	106	110	68
85°	11	30	60	78	82	13
90°	0	20	49	66	69	1
95°	0	15	41	56	59	0
105°	0	11	28	39	43	0
115°	1	9	20	28	30	1
125°	1	7	16	20	22	1
135°	1	6	12	16	17	1
145°	1	4	9	12	13	1
155°	1	4	6	9	10	0
165°	1	2	4	4	5	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 4SNX-20SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1062.1	1062.1	1062.1	1062.1	1062.1
1°	1070.9	1066.5	1055.0	1063.0	1061.2
2°	1070.1	1065.6	1052.3	1055.9	1049.6
3°	1069.2	1063.0	1042.5	1041.7	1032.8
4°	1068.3	1058.5	1030.1	1019.5	1012.4
5°	1067.4	1053.2	1015.0	995.5	984.9
6°	1066.5	1047.0	995.5	966.2	951.2
7°	1064.7	1037.2	975.1	935.2	915.7
8°	1063.0	1028.4	949.4	901.5	877.5
9°	1061.2	1016.8	923.7	865.1	836.7
10°	1057.6	1005.3	897.0	827.8	797.7
11°	1055.9	992.0	871.3	792.3	756.8
12°	1052.3	977.8	843.8	755.1	724.0
13°	1048.8	962.7	810.1	723.1	685.9
14°	1045.2	946.7	780.8	687.6	653.0
15°	1040.8	929.9	748.0	653.9	618.4
16°	1036.3	910.3	718.7	619.3	582.1
17°	1031.9	891.7	691.2	587.4	553.7
18°	1026.6	873.1	659.2	556.3	523.5
19°	1019.5	851.8	633.5	527.9	497.8
20°	1013.3	832.3	604.2	501.3	474.7
21°	1006.2	808.3	575.0	476.5	449.8
22.5°	995.5	774.6	537.7	445.4	420.6
23°	990.2	764.8	522.6	433.9	412.6
24°	983.1	739.1	497.8	416.1	394.8
25°	972.5	718.7	476.5	400.2	383.3
26°	962.7	693.8	455.2	386.0	369.1
27°	952.9	669.9	436.5	370.9	356.7
28°	940.5	645.0	416.1	358.5	346.0
29°	927.2	622.0	399.3	347.8	338.1
30°	913.9	596.2	385.1	338.1	330.1
32.5°	876.6	539.5	348.7	319.4	314.1
35°	832.3	486.2	323.0	302.6	300.8
37.5°	782.6	437.4	299.9	289.3	291.0
40°	724.0	393.1	280.4	279.5	283.0
42.5°	661.9	354.9	265.3	271.5	276.8
45°	598.0	320.3	250.2	263.5	270.6
47.5°	531.5	290.1	236.9	253.8	261.7
50°	464.0	260.9	222.7	242.2	250.2
52.5°	403.7	235.1	208.5	228.9	237.8
55°	343.4	210.3	193.4	214.7	221.8
57.5°	291.0	187.2	177.5	198.7	204.1
60°	242.2	165.0	161.5	181.0	187.2
62.5°	197.9	145.5	146.4	165.0	171.2
65°	161.5	126.9	133.1	149.9	155.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	131.3	109.1	119.8	137.5	142.0
70°	103.8	93.2	109.1	125.1	129.5
72.5°	82.5	79.0	98.5	115.3	118.9
75°	63.0	65.7	89.6	105.6	110.0
77.5°	45.3	55.0	80.7	97.6	101.1
80°	31.9	45.3	73.6	90.5	94.1
82.5°	20.4	37.3	66.5	84.3	87.8
85°	10.6	30.2	60.3	78.1	81.6
87.5°	4.4	24.8	54.1	71.9	75.4
90°	0.0	20.4	48.8	66.5	69.2
92.5°	0.0	17.7	44.4	61.2	63.9
95°	0.0	15.1	40.8	55.9	58.6
97.5°	0.0	14.2	36.4	51.5	54.1
100°	0.0	12.4	32.8	47.0	50.6
102.5°	0.0	11.5	30.2	42.6	46.1
105°	0.0	10.6	27.5	39.0	42.6
107.5°	0.0	9.8	25.7	36.4	39.0
110°	0.0	9.8	23.1	33.7	36.4
112.5°	0.9	8.9	21.3	30.2	32.8
115°	0.9	8.9	19.5	28.4	30.2
117.5°	0.9	8.9	18.6	25.7	27.5
120°	0.9	8.0	17.7	24.0	25.7
122.5°	0.9	8.0	16.9	22.2	23.1
125°	0.9	7.1	16.0	20.4	22.2
127.5°	0.9	7.1	15.1	19.5	20.4
130°	0.9	7.1	14.2	17.7	19.5
132.5°	0.9	6.2	13.3	16.9	17.7
135°	0.9	6.2	12.4	16.0	16.9
137.5°	0.9	5.3	11.5	15.1	16.0
140°	0.9	5.3	10.6	14.2	15.1
142.5°	0.9	4.4	9.8	13.3	14.2
145°	0.9	4.4	8.9	12.4	13.3
147.5°	0.9	4.4	8.0	11.5	12.4
150°	0.9	3.5	7.1	10.6	11.5
152.5°	0.9	3.5	6.2	9.8	10.6
155°	0.9	3.5	6.2	8.9	9.8
157.5°	0.9	2.7	5.3	7.1	8.9
160°	0.9	2.7	4.4	6.2	8.0
162.5°	0.9	2.7	4.4	5.3	6.2
165°	0.9	1.8	3.5	4.4	5.3
167.5°	0.9	1.8	2.7	3.5	4.4
170°	0.9	1.8	2.7	2.7	3.5
172.5°	0.9	1.8	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)