

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: P566109

Luminaire Tested: **4SNX-20SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566109
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-L950-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

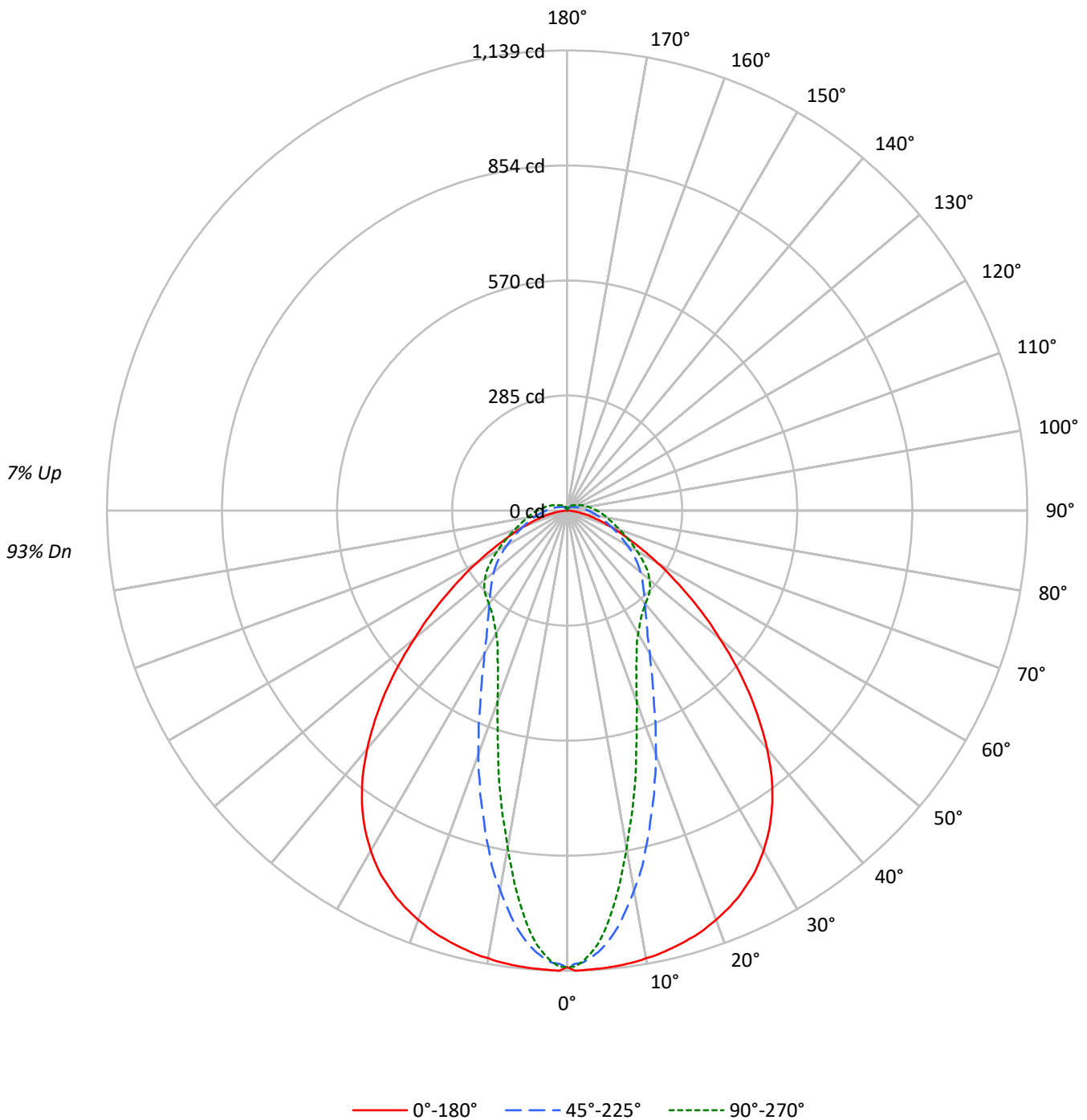
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1801.0 lumens
Efficiency: N/A
Efficacy: 148.8 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°	12161	12161	12161
5°	12225	11177	10697
10°	12208	9584	8299
15°	12202	7818	6220
20°	12163	6228	4655
25°	12052	4880	3695
30°	11800	3949	3151
35°	11305	3343	2867
40°	10457	2951	2713
45°	9297	2700	2630
50°	7875	2484	2484
55°	6470	2252	2269
60°	5174	1980	1990
65°	4017	1739	1732
70°	3118	1538	1532
75°	2411	1381	1395
80°	1705	1264	1298
85°	945	1179	1244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	5.6
10°-20°	234.5	13.0
20°-30°	278.4	15.5
30°-40°	280.1	15.6
40°-50°	260.3	14.5
50°-60°	214.4	11.9
60°-70°	151.1	8.4
70°-80°	98.7	5.5
80°-90°	63.0	3.5
90°-100°	41.3	2.3
100°-110°	28.1	1.6
110°-120°	19.2	1.1
120°-130°	13.3	0.7
130°-140°	8.9	0.5
140°-150°	5.5	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	613.0	34.0
0°-40°	893.0	49.6
0°-60°	1367.8	75.9
0°-90°	1680.5	93.3
90°-120°	88.6	4.9
90°-150°	116.4	6.5
90°-180°	120.0	6.7
0°-180°	1801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1136	1120	1080	1059	1048	108
15°	1107	989	796	696	658	313
25°	1034	764	507	426	408	476
35°	885	517	344	322	320	551
45°	636	341	266	280	288	488
55°	365	224	206	228	236	330
65°	172	135	142	160	165	174
75°	67	70	95	112	117	72
85°	11	32	64	83	87	14
90°	0	22	52	71	74	1
95°	0	16	43	60	62	0
105°	0	11	29	42	45	0
115°	1	9	21	30	32	1
125°	1	8	17	22	24	1
135°	1	7	13	17	18	1
145°	1	5	9	13	14	1
155°	1	4	7	9	10	0
165°	1	2	4	5	6	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1129.8	1129.8	1129.8	1129.8	1129.8
1°	1139.3	1134.5	1122.3	1130.8	1128.9
2°	1138.3	1133.6	1119.4	1123.2	1116.6
3°	1137.4	1130.8	1109.1	1108.1	1098.7
4°	1136.4	1126.0	1095.8	1084.5	1077.0
5°	1135.5	1120.4	1079.8	1059.0	1047.7
6°	1134.5	1113.8	1059.0	1027.9	1011.8
7°	1132.7	1103.4	1037.3	994.8	974.1
8°	1130.8	1094.0	1009.9	959.0	933.5
9°	1128.9	1081.7	982.6	920.3	890.1
10°	1125.1	1069.4	954.3	880.6	848.5
11°	1123.2	1055.3	926.9	842.9	805.1
12°	1119.4	1040.2	897.6	803.2	770.2
13°	1115.7	1024.1	861.8	769.3	729.6
14°	1111.9	1007.1	830.6	731.5	694.7
15°	1107.2	989.2	795.7	695.6	657.9
16°	1102.4	968.4	764.5	658.8	619.2
17°	1097.7	948.6	735.3	624.8	589.0
18°	1092.1	928.8	701.3	591.8	556.9
19°	1084.5	906.1	673.9	561.6	529.5
20°	1077.9	885.4	642.8	533.3	505.0
21°	1070.4	859.9	611.6	506.9	478.5
22.5°	1059.0	824.0	572.0	473.8	447.4
23°	1053.4	813.6	555.9	461.6	438.9
24°	1045.8	786.2	529.5	442.7	420.0
25°	1034.5	764.5	506.9	425.7	407.8
26°	1024.1	738.1	484.2	410.6	392.7
27°	1013.7	712.6	464.4	394.5	379.4
28°	1000.5	686.2	442.7	381.3	368.1
29°	986.4	661.7	424.7	370.0	359.6
30°	972.2	634.3	409.6	359.6	351.1
32.5°	932.6	573.9	370.9	339.8	334.1
35°	885.4	517.2	343.6	321.9	320.0
37.5°	832.5	465.3	319.0	307.7	309.6
40°	770.2	418.1	298.3	297.3	301.1
42.5°	704.1	377.6	282.2	288.8	294.5
45°	636.2	340.7	266.2	280.3	287.9
47.5°	565.4	308.6	252.0	269.9	278.4
50°	493.6	277.5	236.9	257.7	266.2
52.5°	429.5	250.1	221.8	243.5	253.0
55°	365.3	223.7	205.8	228.4	236.0
57.5°	309.6	199.2	188.8	211.4	217.1
60°	257.7	175.6	171.8	192.6	199.2
62.5°	210.5	154.8	155.7	175.6	182.2
65°	171.8	135.0	141.6	159.5	165.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	139.7	116.1	127.4	146.3	151.0
70°	110.4	99.1	116.1	133.1	137.8
72.5°	87.8	84.0	104.8	122.7	126.5
75°	67.0	69.8	95.3	112.3	117.0
77.5°	48.1	58.5	85.9	103.8	107.6
80°	34.0	48.1	78.3	96.3	100.1
82.5°	21.7	39.6	70.8	89.7	93.4
85°	11.3	32.1	64.2	83.1	86.8
87.5°	4.7	26.4	57.6	76.5	80.2
90°	0.0	21.7	51.9	70.8	73.6
92.5°	0.0	18.9	47.2	65.1	68.0
95°	0.0	16.0	43.4	59.5	62.3
97.5°	0.0	15.1	38.7	54.7	57.6
100°	0.0	13.2	34.9	50.0	53.8
102.5°	0.0	12.3	32.1	45.3	49.1
105°	0.0	11.3	29.3	41.5	45.3
107.5°	0.0	10.4	27.4	38.7	41.5
110°	0.0	10.4	24.5	35.9	38.7
112.5°	0.9	9.4	22.7	32.1	34.9
115°	0.9	9.4	20.8	30.2	32.1
117.5°	0.9	9.4	19.8	27.4	29.3
120°	0.9	8.5	18.9	25.5	27.4
122.5°	0.9	8.5	17.9	23.6	24.5
125°	0.9	7.6	17.0	21.7	23.6
127.5°	0.9	7.6	16.0	20.8	21.7
130°	0.9	7.6	15.1	18.9	20.8
132.5°	0.9	6.6	14.2	17.9	18.9
135°	0.9	6.6	13.2	17.0	17.9
137.5°	0.9	5.7	12.3	16.0	17.0
140°	0.9	5.7	11.3	15.1	16.0
142.5°	0.9	4.7	10.4	14.2	15.1
145°	0.9	4.7	9.4	13.2	14.2
147.5°	0.9	4.7	8.5	12.3	13.2
150°	0.9	3.8	7.6	11.3	12.3
152.5°	0.9	3.8	6.6	10.4	11.3
155°	0.9	3.8	6.6	9.4	10.4
157.5°	0.9	2.8	5.7	7.6	9.4
160°	0.9	2.8	4.7	6.6	8.5
162.5°	0.9	2.8	4.7	5.7	6.6
165°	0.9	1.9	3.8	4.7	5.7
167.5°	0.9	1.9	2.8	3.8	4.7
170°	0.9	1.9	2.8	2.8	3.8
172.5°	0.9	1.9	1.9	1.9	1.9
175°	1.9	1.9	1.9	1.9	0.9
177.5°	1.9	1.9	1.9	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)