

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: P566103

Luminaire Tested: **4SNX-20SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566103
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-L835-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

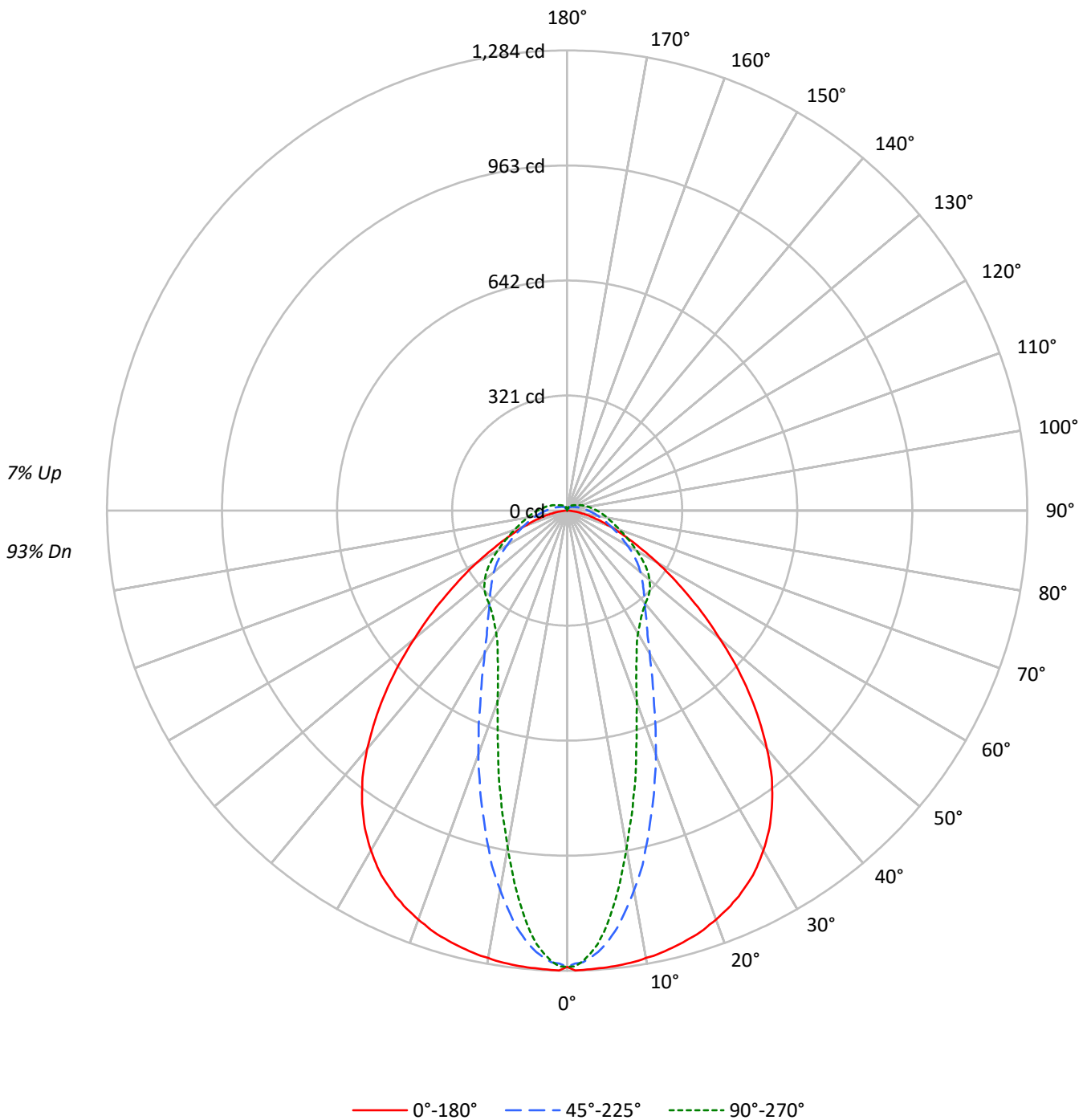
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2029.0 lumens
Efficiency: N/A
Efficacy: 167.7 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 (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	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	67	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°	13701	13701	13701
5°	13772	12593	12050
10°	13753	10797	9350
15°	13746	8807	7008
20°	13703	7016	5244
25°	13578	5498	4162
30°	13294	4449	3550
35°	12735	3766	3230
40°	11780	3324	3056
45°	10474	3042	2962
50°	8872	2799	2799
55°	7289	2536	2555
60°	5829	2231	2242
65°	4524	1959	1951
70°	3513	1732	1726
75°	2717	1557	1573
80°	1920	1425	1461
85°	1071	1328	1401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	5.6
10°-20°	264.2	13.0
20°-30°	313.6	15.5
30°-40°	315.5	15.6
40°-50°	293.3	14.5
50°-60°	241.5	11.9
60°-70°	170.2	8.4
70°-80°	111.2	5.5
80°-90°	71.0	3.5
90°-100°	46.6	2.3
100°-110°	31.6	1.6
110°-120°	21.7	1.1
120°-130°	15.0	0.7
130°-140°	10.1	0.5
140°-150°	6.2	0.3
150°-160°	3.2	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	690.6	34.0
0°-40°	1006.1	49.6
0°-60°	1540.9	75.9
0°-90°	1893.3	93.3
90°-120°	99.8	4.9
90°-150°	131.1	6.5
90°-180°	136.0	6.7
0°-180°	2029.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1279	1262	1216	1193	1180	122
15°	1247	1114	896	784	741	352
25°	1166	861	571	480	459	536
35°	997	583	387	363	360	620
45°	717	384	300	316	324	550
55°	412	252	232	257	266	372
65°	194	152	160	180	186	196
75°	76	79	107	126	132	82
85°	13	36	72	94	98	16
90°	0	24	58	80	83	1
95°	0	18	49	67	70	0
105°	0	13	33	47	51	0
115°	1	11	23	34	36	1
125°	1	8	19	24	27	1
135°	1	7	15	19	20	1
145°	1	5	11	15	16	1
155°	1	4	7	11	12	1
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°	1272.9	1272.9	1272.9	1272.9	1272.9
1°	1283.5	1278.2	1264.3	1273.9	1271.8
2°	1282.4	1277.1	1261.2	1265.4	1258.0
3°	1281.4	1273.9	1249.5	1248.4	1237.8
4°	1280.3	1268.6	1234.6	1221.8	1213.3
5°	1279.2	1262.2	1216.5	1193.1	1180.3
6°	1278.2	1254.8	1193.1	1158.0	1139.9
7°	1276.0	1243.1	1168.6	1120.8	1097.4
8°	1273.9	1232.4	1137.8	1080.4	1051.7
9°	1271.8	1218.6	1107.0	1036.8	1002.8
10°	1267.5	1204.8	1075.1	992.1	956.0
11°	1265.4	1188.8	1044.2	949.6	907.1
12°	1261.2	1171.8	1011.3	904.9	867.7
13°	1256.9	1153.8	970.9	866.6	822.0
14°	1252.6	1134.6	935.8	824.1	782.6
15°	1247.3	1114.4	896.4	783.7	741.2
16°	1242.0	1091.0	861.3	742.2	697.6
17°	1236.7	1068.7	828.4	704.0	663.5
18°	1230.3	1046.4	790.1	666.7	627.4
19°	1221.8	1020.8	759.2	632.7	596.5
20°	1214.4	997.4	724.2	600.8	568.9
21°	1205.9	968.7	689.1	571.0	539.1
22.5°	1193.1	928.3	644.4	533.8	504.0
23°	1186.7	916.6	626.3	520.0	494.5
24°	1178.2	885.8	596.5	498.7	473.2
25°	1165.5	861.3	571.0	479.6	459.4
26°	1153.8	831.6	545.5	462.6	442.4
27°	1142.1	802.8	523.2	444.5	427.5
28°	1127.2	773.1	498.7	429.6	414.7
29°	1111.2	745.4	478.5	416.8	405.1
30°	1095.3	714.6	461.5	405.1	395.6
32.5°	1050.6	646.5	417.9	382.8	376.4
35°	997.4	582.7	387.1	362.6	360.5
37.5°	937.9	524.2	359.4	346.7	348.8
40°	867.7	471.1	336.0	335.0	339.2
42.5°	793.3	425.3	317.9	325.4	331.8
45°	716.7	383.9	299.9	315.8	324.3
47.5°	637.0	347.7	283.9	304.1	313.7
50°	556.1	312.6	266.9	290.3	299.9
52.5°	483.8	281.8	249.9	274.3	285.0
55°	411.5	252.0	231.8	257.3	265.8
57.5°	348.8	224.4	212.7	238.2	244.6
60°	290.3	197.8	193.5	216.9	224.4
62.5°	237.1	174.4	175.5	197.8	205.2
65°	193.5	152.1	159.5	179.7	186.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	157.4	130.8	143.6	164.8	170.1
70°	124.4	111.7	130.8	149.9	155.3
72.5°	98.9	94.6	118.0	138.2	142.5
75°	75.5	78.7	107.4	126.5	131.9
77.5°	54.2	65.9	96.8	117.0	121.2
80°	38.3	54.2	88.3	108.5	112.7
82.5°	24.5	44.7	79.8	101.0	105.3
85°	12.8	36.2	72.3	93.6	97.8
87.5°	5.3	29.8	64.9	86.1	90.4
90°	0.0	24.5	58.5	79.8	82.9
92.5°	0.0	21.3	53.2	73.4	76.6
95°	0.0	18.1	48.9	67.0	70.2
97.5°	0.0	17.0	43.6	61.7	64.9
100°	0.0	14.9	39.3	56.4	60.6
102.5°	0.0	13.8	36.2	51.0	55.3
105°	0.0	12.8	33.0	46.8	51.0
107.5°	0.0	11.7	30.8	43.6	46.8
110°	0.0	11.7	27.6	40.4	43.6
112.5°	1.1	10.6	25.5	36.2	39.3
115°	1.1	10.6	23.4	34.0	36.2
117.5°	1.1	10.6	22.3	30.8	33.0
120°	1.1	9.6	21.3	28.7	30.8
122.5°	1.1	9.6	20.2	26.6	27.6
125°	1.1	8.5	19.1	24.5	26.6
127.5°	1.1	8.5	18.1	23.4	24.5
130°	1.1	8.5	17.0	21.3	23.4
132.5°	1.1	7.4	16.0	20.2	21.3
135°	1.1	7.4	14.9	19.1	20.2
137.5°	1.1	6.4	13.8	18.1	19.1
140°	1.1	6.4	12.8	17.0	18.1
142.5°	1.1	5.3	11.7	16.0	17.0
145°	1.1	5.3	10.6	14.9	16.0
147.5°	1.1	5.3	9.6	13.8	14.9
150°	1.1	4.3	8.5	12.8	13.8
152.5°	1.1	4.3	7.4	11.7	12.8
155°	1.1	4.3	7.4	10.6	11.7
157.5°	1.1	3.2	6.4	8.5	10.6
160°	1.1	3.2	5.3	7.4	9.6
162.5°	1.1	3.2	5.3	6.4	7.4
165°	1.1	2.1	4.3	5.3	6.4
167.5°	1.1	2.1	3.2	4.3	5.3
170°	1.1	2.1	3.2	3.2	4.3
172.5°	1.1	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	1.1
177.5°	2.1	2.1	2.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)