

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: P567088

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567088
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-SL3-LN-UNV-CC83-CD-5000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

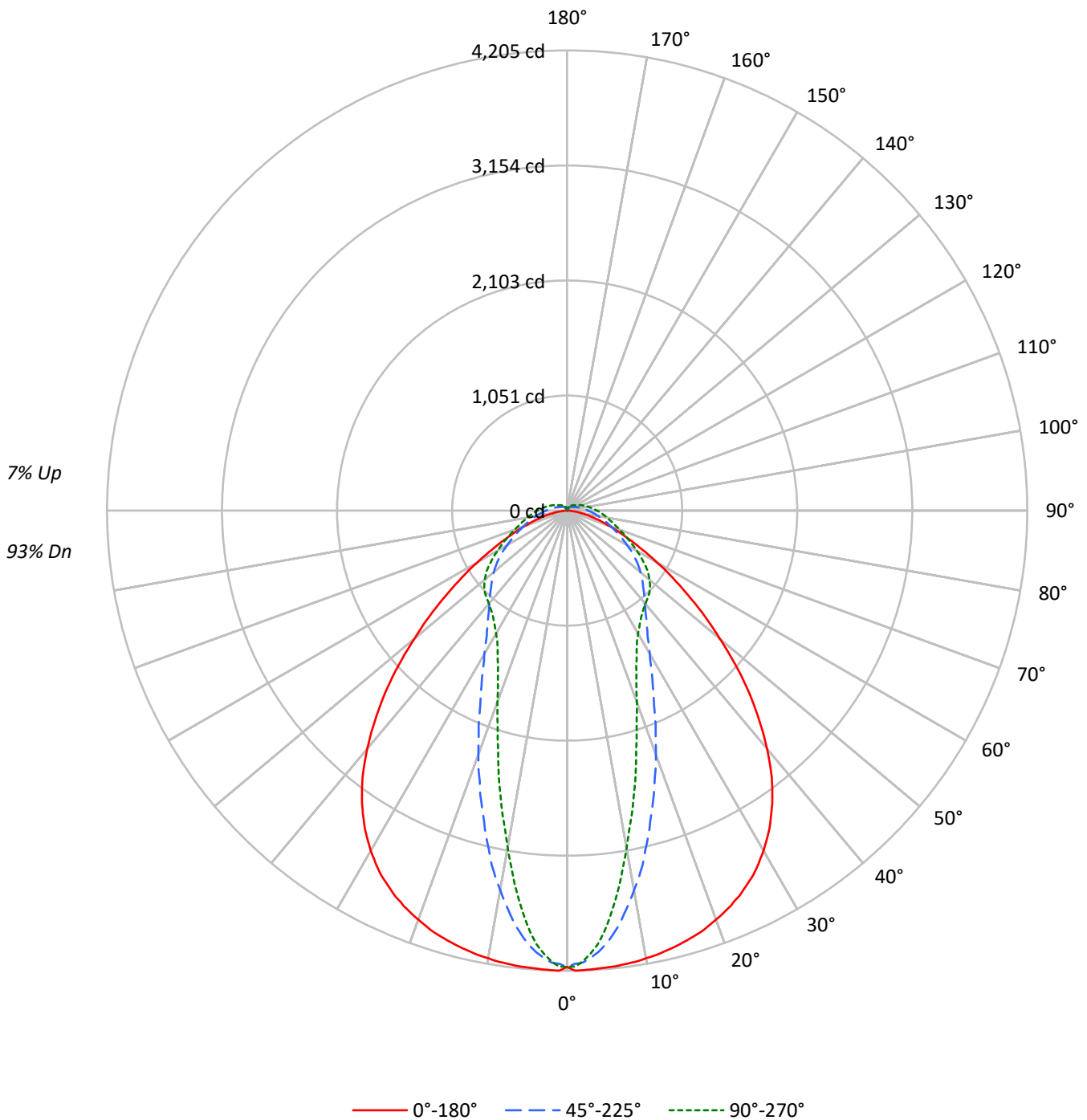
Lumens per Lamp: N/A
Luminaire Lumens: 6648.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.1
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

TEST NUMBER: P567088

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC83-CD-5000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P567088

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC83-CD-5000K-HI

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°	44891	44891	44891
5°	45124	41259	39484
10°	45062	35375	30634
15°	45040	28857	22960
20°	44896	22988	17182
25°	44488	18014	13636
30°	43555	14578	11632
35°	41726	12338	10581
40°	38598	10893	10014
45°	34317	9965	9706
50°	29070	9170	9168
55°	23883	8309	8373
60°	19099	7309	7344
65°	14826	6417	6391
70°	11510	5675	5654
75°	8904	5101	5151
80°	6287	4668	4788
85°	3497	4351	4592



TEST NUMBER: P567088

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC83-CD-5000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.3	5.6
10°-20°	865.7	13.0
20°-30°	1027.6	15.5
30°-40°	1033.9	15.6
40°-50°	961.0	14.5
50°-60°	791.3	11.9
60°-70°	557.6	8.4
70°-80°	364.3	5.5
80°-90°	232.6	3.5
90°-100°	152.5	2.3
100°-110°	103.6	1.6
110°-120°	71.0	1.1
120°-130°	49.1	0.7
130°-140°	33.0	0.5
140°-150°	20.4	0.3
150°-160°	10.6	0.2
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2262.6	34.0
0°-40°	3296.5	49.6
0°-60°	5048.9	75.9
0°-90°	6203.4	93.3
90°-120°	327.1	4.9
90°-150°	429.6	6.5
90°-180°	445.0	6.7
0°-180°	6648.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4170	4170	4170	4170	4170	
5°	4191	4136	3986	3909	3867	399
15°	4087	3651	2937	2568	2428	1154
25°	3819	2822	1871	1571	1505	1757
35°	3268	1909	1268	1188	1181	2032
45°	2348	1258	982	1035	1063	1803
55°	1348	826	760	843	871	1218
65°	634	498	523	589	610	643
75°	247	258	352	415	432	267
85°	42	118	237	307	320	53
90°	0	80	192	261	272	2
95°	0	59	160	220	230	0
105°	0	42	108	153	167	0
115°	4	35	77	112	118	3
125°	4	28	63	80	87	3
135°	4	24	49	63	66	3
145°	4	17	35	49	52	2
155°	4	14	24	35	38	2
165°	4	7	14	17	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P567088

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC83-CD-5000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4170.5	4170.5	4170.5	4170.5	4170.5
1°	4205.3	4187.9	4142.6	4174.0	4167.0
2°	4201.8	4184.4	4132.2	4146.1	4121.7
3°	4198.4	4174.0	4093.8	4090.4	4055.5
4°	4194.9	4156.6	4045.1	4003.3	3975.4
5°	4191.4	4135.6	3985.8	3909.2	3867.4
6°	4187.9	4111.3	3909.2	3794.2	3735.0
7°	4180.9	4072.9	3829.0	3672.3	3595.6
8°	4174.0	4038.1	3728.0	3539.9	3445.8
9°	4167.0	3992.8	3627.0	3397.0	3285.5
10°	4153.1	3947.5	3522.4	3250.7	3132.2
11°	4146.1	3895.2	3421.4	3111.3	2972.0
12°	4132.2	3839.5	3313.4	2965.0	2843.0
13°	4118.2	3780.3	3181.0	2839.6	2693.2
14°	4104.3	3717.6	3066.0	2700.2	2564.3
15°	4086.9	3651.4	2937.1	2567.8	2428.4
16°	4069.5	3574.7	2822.1	2431.9	2285.6
17°	4052.0	3501.5	2714.1	2306.5	2174.1
18°	4031.1	3428.4	2588.7	2184.5	2055.6
19°	4003.3	3344.8	2487.7	2073.1	1954.6
20°	3978.9	3268.1	2372.7	1968.5	1864.0
21°	3951.0	3174.0	2257.7	1871.0	1766.4
22.5°	3909.2	3041.6	2111.4	1749.0	1651.5
23°	3888.3	3003.3	2052.1	1703.7	1620.1
24°	3860.4	2902.3	1954.6	1634.1	1550.4
25°	3818.6	2822.1	1871.0	1571.3	1505.1
26°	3780.3	2724.6	1787.4	1515.6	1449.4
27°	3741.9	2630.5	1714.2	1456.4	1400.6
28°	3693.2	2533.0	1634.1	1407.6	1358.8
29°	3640.9	2442.4	1567.9	1365.8	1327.4
30°	3588.6	2341.3	1512.1	1327.4	1296.1
32.5°	3442.3	2118.3	1369.3	1254.3	1233.4
35°	3268.1	1909.3	1268.2	1188.1	1181.1
37.5°	3073.0	1717.7	1177.6	1135.8	1142.8
40°	2843.0	1543.5	1101.0	1097.5	1111.4
42.5°	2599.2	1393.6	1041.8	1066.1	1087.0
45°	2348.3	1257.8	982.5	1034.8	1062.7
47.5°	2087.0	1139.3	930.3	996.5	1027.8
50°	1822.2	1024.3	874.5	951.2	982.5
52.5°	1585.3	923.3	818.8	898.9	933.7
55°	1348.4	825.7	759.5	843.2	871.0
57.5°	1142.8	735.1	696.8	780.4	801.3
60°	951.2	648.0	634.1	710.8	735.1
62.5°	777.0	571.4	574.9	648.0	672.4
65°	634.1	498.2	522.6	588.8	609.7



TEST NUMBER: P567088

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC83-CD-5000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	515.6	428.5	470.4	540.0	557.5
70°	407.6	365.8	428.5	491.3	508.7
72.5°	324.0	310.1	386.7	452.9	466.9
75°	247.4	257.8	351.9	414.6	432.0
77.5°	177.7	216.0	317.1	383.3	397.2
80°	125.4	177.7	289.2	355.4	369.3
82.5°	80.1	146.3	261.3	331.0	344.9
85°	41.8	118.5	236.9	306.6	320.5
87.5°	17.4	97.6	212.5	282.2	296.2
90°	0.0	80.1	191.6	261.3	271.8
92.5°	0.0	69.7	174.2	240.4	250.9
95°	0.0	59.2	160.3	219.5	230.0
97.5°	0.0	55.7	142.8	202.1	212.5
100°	0.0	48.8	128.9	184.7	198.6
102.5°	0.0	45.3	118.5	167.2	181.2
105°	0.0	41.8	108.0	153.3	167.2
107.5°	0.0	38.3	101.0	142.8	153.3
110°	0.0	38.3	90.6	132.4	142.8
112.5°	3.5	34.8	83.6	118.5	128.9
115°	3.5	34.8	76.7	111.5	118.5
117.5°	3.5	34.8	73.2	101.0	108.0
120°	3.5	31.4	69.7	94.1	101.0
122.5°	3.5	31.4	66.2	87.1	90.6
125°	3.5	27.9	62.7	80.1	87.1
127.5°	3.5	27.9	59.2	76.7	80.1
130°	3.5	27.9	55.7	69.7	76.7
132.5°	3.5	24.4	52.3	66.2	69.7
135°	3.5	24.4	48.8	62.7	66.2
137.5°	3.5	20.9	45.3	59.2	62.7
140°	3.5	20.9	41.8	55.7	59.2
142.5°	3.5	17.4	38.3	52.3	55.7
145°	3.5	17.4	34.8	48.8	52.3
147.5°	3.5	17.4	31.4	45.3	48.8
150°	3.5	13.9	27.9	41.8	45.3
152.5°	3.5	13.9	24.4	38.3	41.8
155°	3.5	13.9	24.4	34.8	38.3
157.5°	3.5	10.5	20.9	27.9	34.8
160°	3.5	10.5	17.4	24.4	31.4
162.5°	3.5	10.5	17.4	20.9	24.4
165°	3.5	7.0	13.9	17.4	20.9
167.5°	3.5	7.0	10.5	13.9	17.4
170°	3.5	7.0	10.5	10.5	13.9
172.5°	3.5	7.0	7.0	7.0	7.0
175°	7.0	7.0	7.0	7.0	3.5
177.5°	7.0	7.0	7.0	3.5	3.5



TEST NUMBER: P567088

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC83-CD-5000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)