

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: P567060

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC93-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-FDL-UNV-CC93-CD-4000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

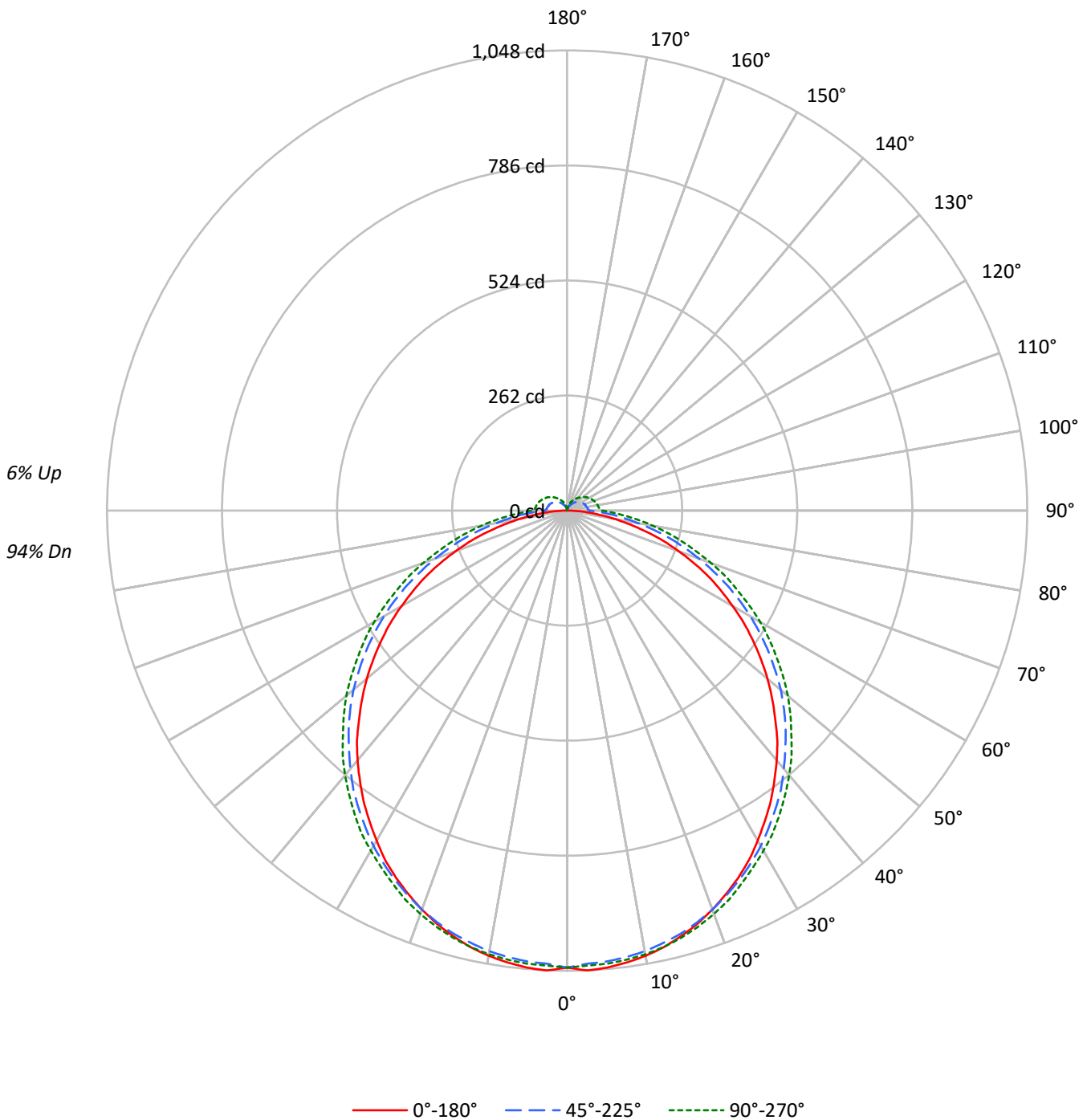
Lumens per Lamp: N/A
Luminaire Lumens: 3307.0 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 32.274
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11202	11202	11202
5°	11279	11016	11033
10°	11232	10897	10894
15°	11148	10759	10739
20°	11034	10593	10556
25°	10902	10409	10339
30°	10723	10222	10139
35°	10543	10004	9930
40°	10344	9763	9695
45°	10094	9523	9422
50°	9851	9250	9172
55°	9551	8913	8824
60°	9213	8527	8481
65°	8857	8065	8010
70°	8243	7486	7521
75°	7502	6805	6938
80°	6409	5901	6290
85°	5044	5115	5527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	3.0
10°-20°	283.2	8.6
20°-30°	429.2	13.0
30°-40°	518.1	15.7
40°-50°	541.0	16.4
50°-60°	497.0	15.0
60°-70°	393.0	11.9
70°-80°	248.7	7.5
80°-90°	106.9	3.2
90°-100°	47.1	1.4
100°-110°	42.1	1.3
110°-120°	35.6	1.1
120°-130°	27.7	0.8
130°-140°	19.2	0.6
140°-150°	11.5	0.3
150°-160°	5.6	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	811.1	24.5
0°-40°	1329.2	40.2
0°-60°	2367.2	71.6
0°-90°	3116.0	94.2
90°-120°	124.8	3.8
90°-150°	183.2	5.5
90°-180°	191.0	5.8
0°-180°	3307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1041	1041	1041	1041	1041	
5°	1045	1042	1031	1040	1036	99
15°	1003	1003	998	1008	1007	283
25°	922	926	928	940	938	425
35°	808	818	828	841	844	505
45°	670	686	704	717	722	517
55°	516	538	560	578	582	462
65°	356	375	402	420	427	350
75°	187	210	240	261	271	199
85°	46	70	101	122	130	50
90°	3	25	52	72	80	4
95°	1	22	47	66	73	0
105°	1	20	44	62	68	1
115°	1	17	40	56	62	1
125°	1	15	33	48	53	1
135°	1	12	27	38	43	1
145°	1	9	19	29	32	1
155°	1	6	12	18	22	1
165°	2	4	6	9	12	1
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1040.7	1040.7	1040.7	1040.7	1040.7
2.5°	1048.3	1044.8	1033.0	1041.2	1037.1
5°	1044.8	1041.8	1030.7	1039.5	1036.0
7.5°	1038.3	1036.0	1026.0	1035.4	1031.9
10°	1029.5	1027.8	1019.0	1028.4	1026.0
12.5°	1018.4	1017.8	1009.0	1019.6	1017.8
15°	1003.2	1003.2	997.9	1008.4	1006.7
17.5°	986.8	987.4	983.3	994.4	993.2
20°	966.9	969.8	966.9	978.6	977.4
22.5°	945.2	949.3	948.1	959.8	960.4
25°	922.4	926.5	927.6	939.9	938.2
27.5°	897.2	903.6	906.0	917.1	916.5
30°	867.9	876.7	881.9	891.3	894.2
32.5°	838.0	848.6	855.0	867.9	871.4
35°	808.2	817.5	828.1	841.0	843.9
37.5°	775.4	785.9	800.0	812.3	815.8
40°	742.6	754.3	767.8	781.2	786.5
42.5°	708.6	720.9	735.5	751.4	756.6
45°	670.0	686.3	703.9	717.4	722.1
47.5°	633.1	651.2	670.0	684.6	689.9
50°	595.6	614.9	634.8	648.3	656.5
52.5°	556.3	577.4	597.3	614.3	619.6
55°	516.5	537.6	559.9	578.0	582.1
57.5°	477.9	498.4	520.6	537.6	545.8
60°	435.7	458.0	482.0	499.0	507.7
62.5°	394.7	416.4	442.1	460.3	467.3
65°	355.5	375.4	401.7	420.5	426.9
67.5°	312.1	335.0	360.2	381.8	390.0
70°	269.4	291.1	319.7	340.2	348.4
72.5°	229.6	250.6	279.3	299.8	307.5
75°	187.4	209.7	240.1	260.6	270.6
77.5°	147.0	171.6	200.9	223.1	234.2
80°	109.5	131.2	162.8	187.4	197.4
82.5°	74.4	97.8	130.6	153.4	164.6
85°	45.7	70.3	100.7	122.4	130.0
87.5°	21.7	45.1	73.2	94.3	103.7
90°	2.9	25.2	51.5	72.0	79.6
92.5°	0.6	21.7	47.4	66.8	73.8
95°	0.6	21.7	46.8	65.6	72.6
97.5°	0.6	21.1	46.3	65.0	71.4
100°	0.6	20.5	45.7	63.8	70.9
102.5°	0.6	20.5	44.5	62.7	69.1
105°	0.6	19.9	43.9	61.5	67.9
107.5°	0.6	19.3	42.8	60.3	66.8
110°	0.6	18.2	42.2	58.6	65.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.6	41.0	57.4	63.2
115°	0.6	17.0	39.8	55.6	61.5
117.5°	0.6	16.4	38.1	53.9	59.7
120°	1.2	16.4	36.9	52.1	57.4
122.5°	1.2	15.8	35.1	49.8	55.0
125°	1.2	15.2	33.4	48.0	53.3
127.5°	1.2	14.6	31.6	45.7	50.4
130°	1.2	13.5	30.5	43.3	48.0
132.5°	1.2	12.9	28.7	40.4	45.1
135°	1.2	11.7	26.9	38.1	42.8
137.5°	1.2	11.1	25.2	35.7	39.8
140°	1.2	10.5	22.8	33.4	37.5
142.5°	1.2	9.4	21.1	31.0	34.6
145°	1.2	8.8	18.7	28.7	31.6
147.5°	1.2	7.6	17.0	26.4	29.3
150°	1.2	7.0	15.2	24.0	26.9
152.5°	1.2	6.4	13.5	21.1	24.0
155°	1.2	5.9	12.3	18.2	21.7
157.5°	1.2	5.3	10.5	15.8	19.3
160°	1.8	4.7	9.4	13.5	16.4
162.5°	1.8	4.1	7.6	11.1	14.6
165°	1.8	4.1	6.4	8.8	12.3
167.5°	1.8	3.5	5.3	7.0	10.0
170°	1.8	2.9	4.7	5.3	7.6
172.5°	1.8	2.3	3.5	3.5	4.1
175°	1.8	2.3	2.9	2.9	1.8
177.5°	1.8	1.8	1.8	1.8	1.2
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)