

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: P567057

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC93-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567057
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-3500K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

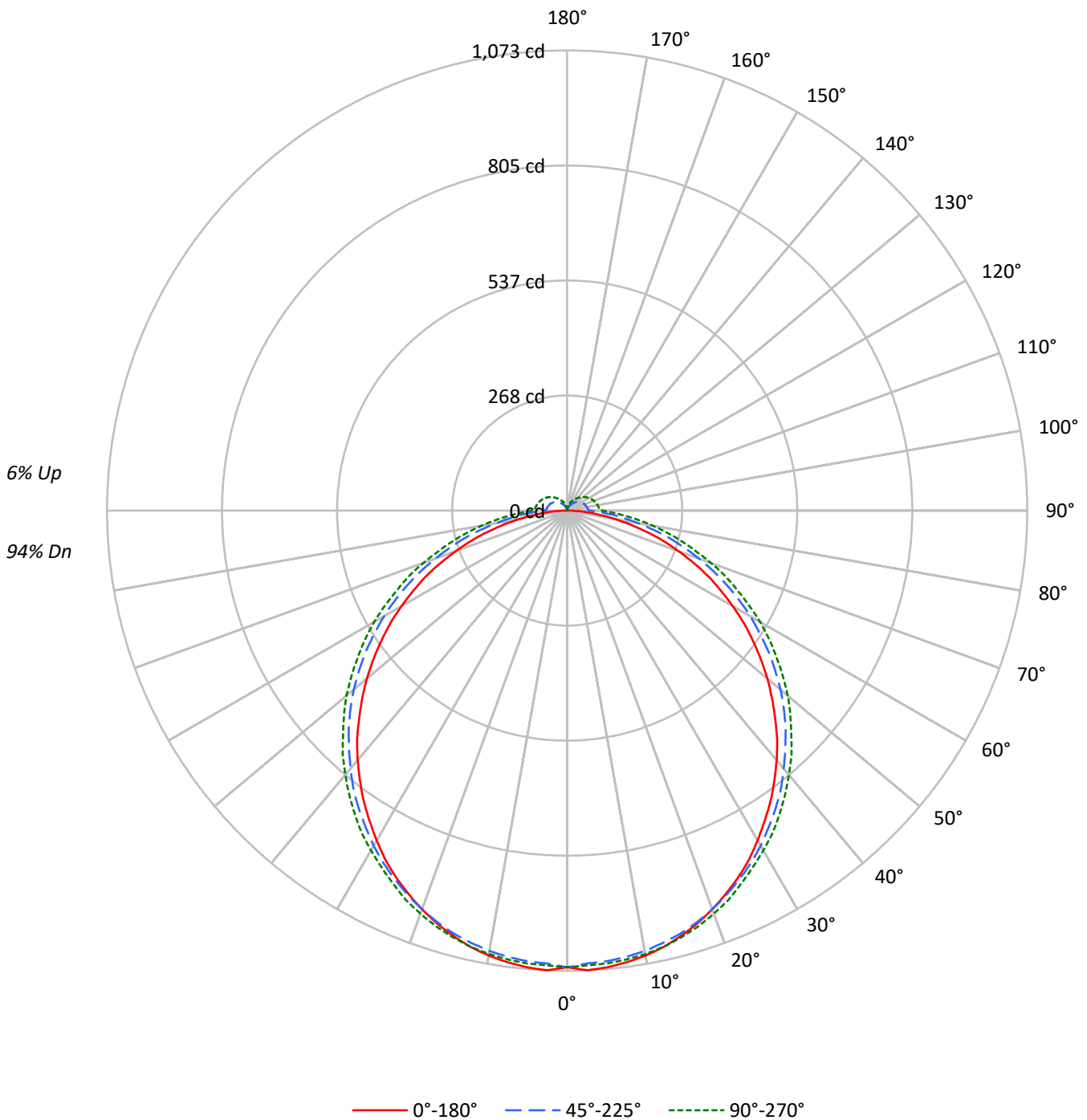
Lumens per Lamp: N/A
Luminaire Lumens: 3384.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 33.462
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°	11462	11462	11462
5°	11541	11273	11290
10°	11494	11150	11148
15°	11407	11009	10988
20°	11290	10839	10802
25°	11155	10651	10579
30°	10972	10461	10375
35°	10788	10237	10161
40°	10585	9989	9921
45°	10329	9745	9641
50°	10080	9465	9386
55°	9773	9120	9030
60°	9427	8725	8680
65°	9061	8254	8198
70°	8435	7662	7698
75°	7678	6964	7100
80°	6561	6039	6434
85°	5154	5237	5654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	3.0
10°-20°	289.8	8.6
20°-30°	439.2	13.0
30°-40°	530.2	15.7
40°-50°	553.6	16.4
50°-60°	508.6	15.0
60°-70°	402.2	11.9
70°-80°	254.5	7.5
80°-90°	109.4	3.2
90°-100°	48.1	1.4
100°-110°	43.1	1.3
110°-120°	36.4	1.1
120°-130°	28.4	0.8
130°-140°	19.7	0.6
140°-150°	11.8	0.3
150°-160°	5.8	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	830.0	24.5
0°-40°	1360.1	40.2
0°-60°	2422.3	71.6
0°-90°	3188.5	94.2
90°-120°	127.6	3.8
90°-150°	187.5	5.5
90°-180°	196.0	5.8
0°-180°	3384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1069	1066	1055	1064	1060	102
15°	1026	1026	1021	1032	1030	290
25°	944	948	949	962	960	435
35°	827	837	847	860	864	517
45°	686	702	720	734	739	529
55°	528	550	573	592	596	473
65°	364	384	411	430	437	358
75°	192	214	246	267	277	203
85°	47	72	103	125	133	52
90°	3	26	53	74	82	4
95°	1	22	48	67	74	0
105°	1	20	45	63	70	1
115°	1	17	41	57	63	1
125°	1	16	34	49	54	1
135°	1	12	28	39	44	1
145°	1	9	19	29	32	1
155°	1	6	13	19	22	1
165°	2	4	7	9	13	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°	1064.9	1064.9	1064.9	1064.9	1064.9
2.5°	1072.7	1069.1	1057.1	1065.5	1061.3
5°	1069.1	1066.1	1054.7	1063.7	1060.1
7.5°	1062.5	1060.1	1049.9	1059.5	1055.9
10°	1053.5	1051.7	1042.7	1052.3	1049.9
12.5°	1042.1	1041.5	1032.5	1043.3	1041.5
15°	1026.5	1026.5	1021.1	1031.9	1030.1
17.5°	1009.7	1010.3	1006.2	1017.5	1016.3
20°	989.4	992.4	989.4	1001.4	1000.2
22.5°	967.2	971.4	970.2	982.2	982.8
25°	943.8	948.0	949.2	961.8	960.0
27.5°	918.1	924.7	927.1	938.4	937.8
30°	888.1	897.1	902.5	912.1	915.1
32.5°	857.5	868.3	874.9	888.1	891.7
35°	827.0	836.6	847.4	860.5	863.5
37.5°	793.4	804.2	818.6	831.2	834.8
40°	759.9	771.8	785.6	799.4	804.8
42.5°	725.1	737.7	752.7	768.8	774.2
45°	685.6	702.3	720.3	734.1	738.9
47.5°	647.8	666.4	685.6	700.5	705.9
50°	609.4	629.2	649.6	663.4	671.8
52.5°	569.3	590.9	611.2	628.6	634.0
55°	528.5	550.1	572.9	591.5	595.7
57.5°	489.0	510.0	532.7	550.1	558.5
60°	445.8	468.6	493.2	510.6	519.6
62.5°	403.9	426.1	452.4	471.0	478.2
65°	363.7	384.1	411.1	430.3	436.9
67.5°	319.4	342.8	368.5	390.7	399.1
70°	275.7	297.8	327.2	348.2	356.6
72.5°	234.9	256.5	285.8	306.8	314.6
75°	191.8	214.5	245.7	266.7	276.9
77.5°	150.4	175.6	205.5	228.3	239.7
80°	112.1	134.2	166.6	191.8	201.9
82.5°	76.1	100.1	133.6	157.0	168.4
85°	46.7	71.9	103.1	125.2	133.0
87.5°	22.2	46.1	74.9	96.5	106.1
90°	3.0	25.8	52.7	73.7	81.5
92.5°	0.6	22.2	48.5	68.3	75.5
95°	0.6	22.2	47.9	67.1	74.3
97.5°	0.6	21.6	47.3	66.5	73.1
100°	0.6	21.0	46.7	65.3	72.5
102.5°	0.6	21.0	45.5	64.1	70.7
105°	0.6	20.4	44.9	62.9	69.5
107.5°	0.6	19.8	43.7	61.7	68.3
110°	0.6	18.6	43.1	59.9	66.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.0	41.9	58.7	64.7
115°	0.6	17.4	40.7	56.9	62.9
117.5°	0.6	16.8	39.0	55.1	61.1
120°	1.2	16.8	37.8	53.3	58.7
122.5°	1.2	16.2	36.0	50.9	56.3
125°	1.2	15.6	34.2	49.1	54.5
127.5°	1.2	15.0	32.4	46.7	51.5
130°	1.2	13.8	31.2	44.3	49.1
132.5°	1.2	13.2	29.4	41.3	46.1
135°	1.2	12.0	27.6	39.0	43.7
137.5°	1.2	11.4	25.8	36.6	40.7
140°	1.2	10.8	23.4	34.2	38.4
142.5°	1.2	9.6	21.6	31.8	35.4
145°	1.2	9.0	19.2	29.4	32.4
147.5°	1.2	7.8	17.4	27.0	30.0
150°	1.2	7.2	15.6	24.6	27.6
152.5°	1.2	6.6	13.8	21.6	24.6
155°	1.2	6.0	12.6	18.6	22.2
157.5°	1.2	5.4	10.8	16.2	19.8
160°	1.8	4.8	9.6	13.8	16.8
162.5°	1.8	4.2	7.8	11.4	15.0
165°	1.8	4.2	6.6	9.0	12.6
167.5°	1.8	3.6	5.4	7.2	10.2
170°	1.8	3.0	4.8	5.4	7.8
172.5°	1.8	2.4	3.6	3.6	4.2
175°	1.8	2.4	3.0	3.0	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)