

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: P567059

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567059
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-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

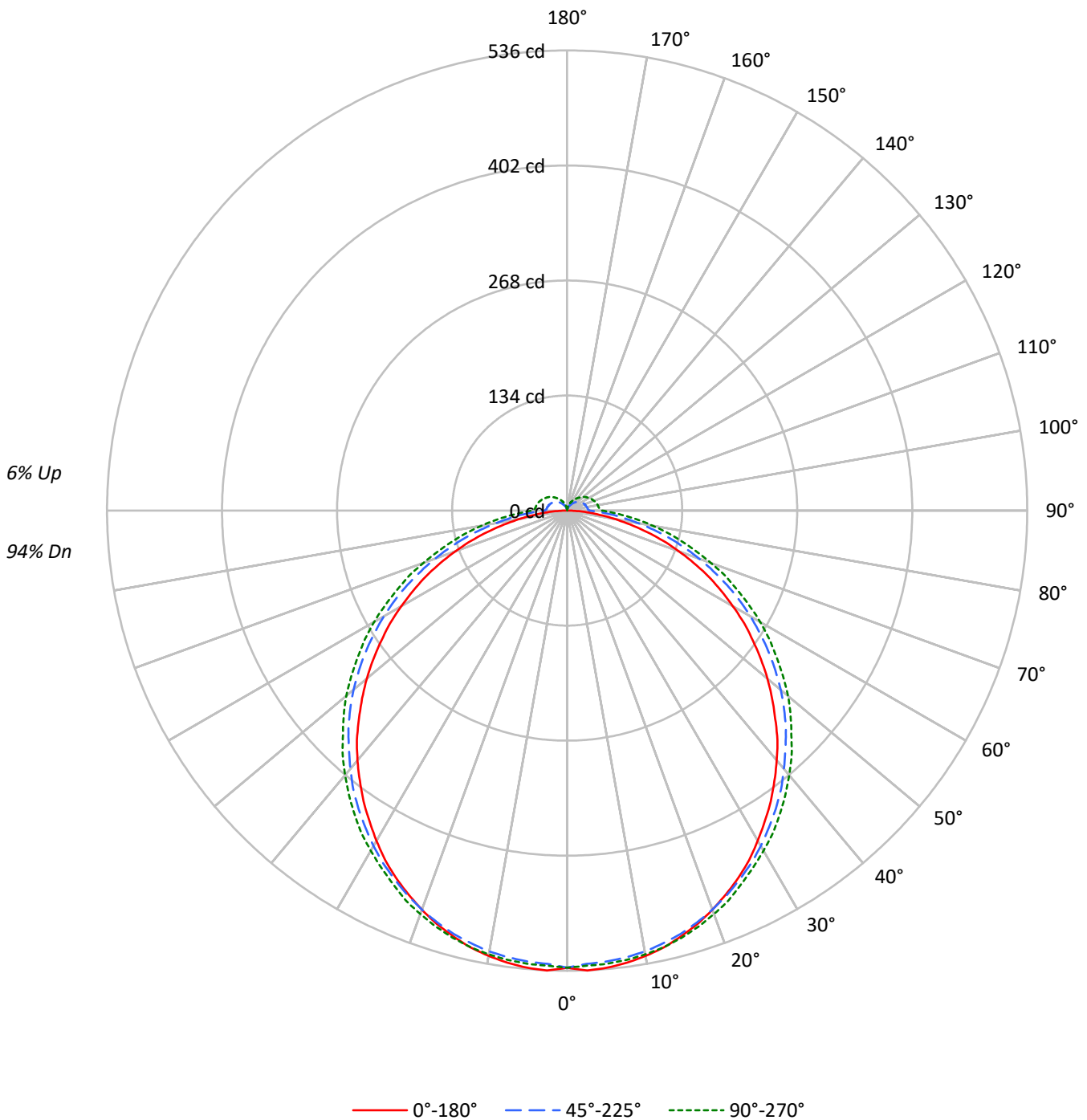
Lumens per Lamp: N/A
Luminaire Lumens: 1692.1 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 16.137
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	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°	5731	5731	5731
5°	5770	5636	5644
10°	5746	5576	5573
15°	5704	5505	5495
20°	5645	5420	5401
25°	5578	5326	5290
30°	5487	5230	5187
35°	5394	5119	5081
40°	5292	4995	4961
45°	5164	4873	4820
50°	5040	4733	4693
55°	4887	4559	4514
60°	4714	4363	4340
65°	4532	4126	4098
70°	4216	3831	3849
75°	3839	3481	3549
80°	3278	3019	3218
85°	2582	2616	2827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	3.0
10°-20°	144.9	8.6
20°-30°	219.6	13.0
30°-40°	265.1	15.7
40°-50°	276.8	16.4
50°-60°	254.3	15.0
60°-70°	201.1	11.9
70°-80°	127.3	7.5
80°-90°	54.7	3.2
90°-100°	24.1	1.4
100°-110°	21.6	1.3
110°-120°	18.2	1.1
120°-130°	14.2	0.8
130°-140°	9.8	0.6
140°-150°	5.9	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	415.0	24.5
0°-40°	680.1	40.2
0°-60°	1211.2	71.6
0°-90°	1594.2	94.2
90°-120°	63.9	3.8
90°-150°	93.9	5.5
90°-180°	98.0	5.8
0°-180°	1692.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	532	532	532	532	532	
5°	534	533	527	532	530	51
15°	513	513	511	516	515	145
25°	472	474	475	481	480	217
35°	414	418	424	430	432	259
45°	343	351	360	367	369	265
55°	264	275	286	296	298	236
65°	182	192	206	215	218	179
75°	96	107	123	133	138	102
85°	23	36	52	63	66	26
90°	2	13	26	37	41	2
95°	0	11	24	34	37	0
105°	0	10	22	32	35	0
115°	0	9	20	28	32	0
125°	1	8	17	25	27	1
135°	1	6	14	20	22	0
145°	1	4	10	15	16	0
155°	1	3	6	9	11	0
165°	1	2	3	4	6	0
175°	1	1	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°	532.4	532.4	532.4	532.4	532.4
2.5°	536.3	534.5	528.5	532.7	530.6
5°	534.5	533.0	527.3	531.8	530.0
7.5°	531.2	530.0	524.9	529.7	527.9
10°	526.7	525.8	521.4	526.1	524.9
12.5°	521.1	520.8	516.3	521.7	520.8
15°	513.3	513.3	510.6	516.0	515.1
17.5°	504.9	505.2	503.1	508.8	508.2
20°	494.7	496.2	494.7	500.7	500.1
22.5°	483.6	485.7	485.1	491.1	491.4
25°	471.9	474.0	474.6	480.9	480.0
27.5°	459.0	462.3	463.5	469.2	468.9
30°	444.1	448.5	451.2	456.0	457.5
32.5°	428.8	434.2	437.5	444.1	445.8
35°	413.5	418.3	423.7	430.3	431.8
37.5°	396.7	402.1	409.3	415.6	417.4
40°	379.9	385.9	392.8	399.7	402.4
42.5°	362.6	368.8	376.3	384.4	387.1
45°	342.8	351.2	360.2	367.0	369.4
47.5°	323.9	333.2	342.8	350.3	353.0
50°	304.7	314.6	324.8	331.7	335.9
52.5°	284.6	295.4	305.6	314.3	317.0
55°	264.3	275.1	286.4	295.7	297.8
57.5°	244.5	255.0	266.4	275.1	279.3
60°	222.9	234.3	246.6	255.3	259.8
62.5°	201.9	213.0	226.2	235.5	239.1
65°	181.9	192.1	205.5	215.1	218.4
67.5°	159.7	171.4	184.3	195.4	199.6
70°	137.8	148.9	163.6	174.1	178.3
72.5°	117.5	128.2	142.9	153.4	157.3
75°	95.9	107.3	122.8	133.3	138.4
77.5°	75.2	87.8	102.8	114.2	119.9
80°	56.0	67.1	83.3	95.9	101.0
82.5°	38.1	50.0	66.8	78.5	84.2
85°	23.4	36.0	51.5	62.6	66.5
87.5°	11.1	23.1	37.5	48.2	53.0
90°	1.5	12.9	26.4	36.9	40.7
92.5°	0.3	11.1	24.3	34.2	37.8
95°	0.3	11.1	24.0	33.6	37.2
97.5°	0.3	10.8	23.7	33.3	36.6
100°	0.3	10.5	23.4	32.7	36.3
102.5°	0.3	10.5	22.8	32.1	35.4
105°	0.3	10.2	22.5	31.5	34.8
107.5°	0.3	9.9	21.9	30.9	34.2
110°	0.3	9.3	21.6	30.0	33.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.0	21.0	29.4	32.4
115°	0.3	8.7	20.4	28.5	31.5
117.5°	0.3	8.4	19.5	27.6	30.6
120°	0.6	8.4	18.9	26.7	29.4
122.5°	0.6	8.1	18.0	25.5	28.2
125°	0.6	7.8	17.1	24.6	27.3
127.5°	0.6	7.5	16.2	23.4	25.8
130°	0.6	6.9	15.6	22.2	24.6
132.5°	0.6	6.6	14.7	20.7	23.1
135°	0.6	6.0	13.8	19.5	21.9
137.5°	0.6	5.7	12.9	18.3	20.4
140°	0.6	5.4	11.7	17.1	19.2
142.5°	0.6	4.8	10.8	15.9	17.7
145°	0.6	4.5	9.6	14.7	16.2
147.5°	0.6	3.9	8.7	13.5	15.0
150°	0.6	3.6	7.8	12.3	13.8
152.5°	0.6	3.3	6.9	10.8	12.3
155°	0.6	3.0	6.3	9.3	11.1
157.5°	0.6	2.7	5.4	8.1	9.9
160°	0.9	2.4	4.8	6.9	8.4
162.5°	0.9	2.1	3.9	5.7	7.5
165°	0.9	2.1	3.3	4.5	6.3
167.5°	0.9	1.8	2.7	3.6	5.1
170°	0.9	1.5	2.4	2.7	3.9
172.5°	0.9	1.2	1.8	1.8	2.1
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)