

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: P567053

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567053
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-CC83-CD-5000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

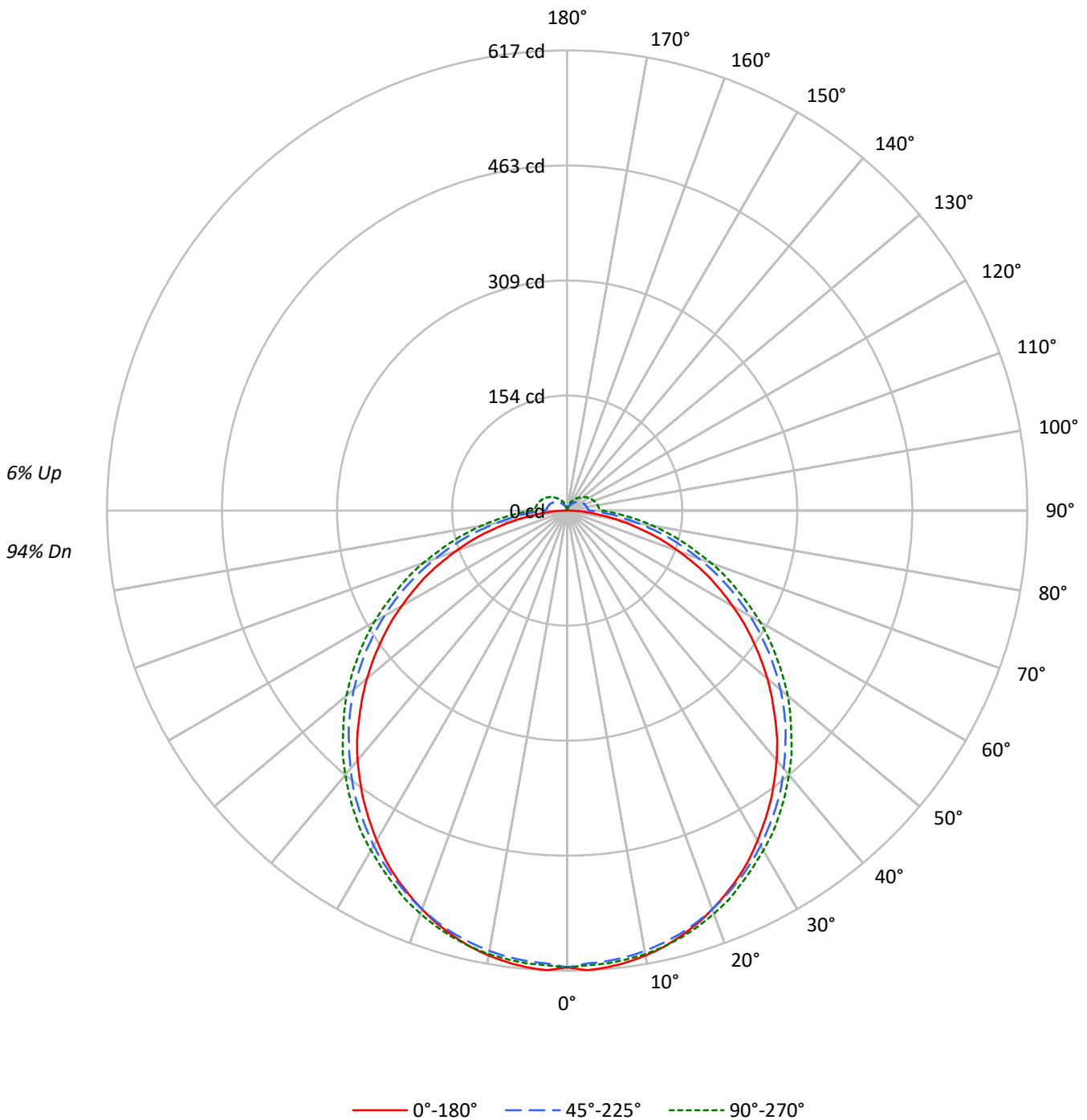
Lumens per Lamp: N/A
Luminaire Lumens: 1946.0 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 16.863
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°	6592	6592	6592
5°	6637	6482	6492
10°	6609	6412	6411
15°	6560	6331	6319
20°	6492	6233	6212
25°	6415	6126	6084
30°	6310	6016	5966
35°	6204	5887	5844
40°	6087	5745	5705
45°	5939	5603	5544
50°	5797	5444	5397
55°	5619	5244	5192
60°	5422	5017	4992
65°	5212	4746	4713
70°	4849	4407	4425
75°	4416	4005	4082
80°	3769	3472	3700
85°	2969	3012	3252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	3.0
10°-20°	166.6	8.6
20°-30°	252.5	13.0
30°-40°	304.9	15.7
40°-50°	318.4	16.4
50°-60°	292.5	15.0
60°-70°	231.3	11.9
70°-80°	146.4	7.5
80°-90°	62.9	3.2
90°-100°	27.7	1.4
100°-110°	24.8	1.3
110°-120°	20.9	1.1
120°-130°	16.3	0.8
130°-140°	11.3	0.6
140°-150°	6.8	0.3
150°-160°	3.3	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	477.3	24.5
0°-40°	782.1	40.2
0°-60°	1393.0	71.6
0°-90°	1833.6	94.2
90°-120°	73.4	3.8
90°-150°	107.8	5.5
90°-180°	112.0	5.8
0°-180°	1946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	612	612	612	612	612	
5°	615	613	606	612	610	58
15°	590	590	587	593	592	167
25°	543	545	546	553	552	250
35°	476	481	487	495	497	297
45°	394	404	414	422	425	304
55°	304	316	329	340	342	272
65°	209	221	236	247	251	206
75°	110	123	141	153	159	117
85°	27	41	59	72	76	30
90°	2	15	30	42	47	2
95°	0	13	28	39	43	0
105°	0	12	26	36	40	0
115°	0	10	23	33	36	0
125°	1	9	20	28	31	1
135°	1	7	16	22	25	1
145°	1	5	11	17	19	0
155°	1	3	7	11	13	0
165°	1	2	4	5	7	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°	612.4	612.4	612.4	612.4	612.4
2.5°	616.8	614.8	607.9	612.7	610.3
5°	614.8	613.1	606.5	611.7	609.6
7.5°	611.0	609.6	603.8	609.3	607.2
10°	605.8	604.8	599.6	605.1	603.8
12.5°	599.3	598.9	593.8	600.0	598.9
15°	590.3	590.3	587.2	593.4	592.4
17.5°	580.7	581.0	578.6	585.1	584.5
20°	568.9	570.7	568.9	575.8	575.2
22.5°	556.2	558.6	557.9	564.8	565.2
25°	542.8	545.2	545.9	553.1	552.1
27.5°	527.9	531.7	533.1	539.7	539.3
30°	510.7	515.9	519.0	524.5	526.2
32.5°	493.1	499.3	503.1	510.7	512.8
35°	475.6	481.1	487.3	494.9	496.6
37.5°	456.3	462.5	470.7	478.0	480.0
40°	437.0	443.9	451.8	459.7	462.8
42.5°	417.0	424.2	432.8	442.1	445.2
45°	394.2	403.9	414.2	422.1	424.9
47.5°	372.5	383.2	394.2	402.8	405.9
50°	350.5	361.8	373.6	381.5	386.3
52.5°	327.4	339.8	351.5	361.5	364.6
55°	303.9	316.4	329.4	340.1	342.5
57.5°	281.2	293.3	306.4	316.4	321.2
60°	256.4	269.5	283.6	293.6	298.8
62.5°	232.3	245.0	260.2	270.9	275.0
65°	209.2	220.9	236.4	247.4	251.2
67.5°	183.7	197.1	211.9	224.7	229.5
70°	158.5	171.3	188.2	200.2	205.0
72.5°	135.1	147.5	164.4	176.4	180.9
75°	110.3	123.4	141.3	153.4	159.2
77.5°	86.5	101.0	118.2	131.3	137.8
80°	64.4	77.2	95.8	110.3	116.1
82.5°	43.8	57.5	76.8	90.3	96.8
85°	26.9	41.4	59.3	72.0	76.5
87.5°	12.8	26.5	43.1	55.5	61.0
90°	1.7	14.8	30.3	42.4	46.9
92.5°	0.3	12.8	27.9	39.3	43.4
95°	0.3	12.8	27.6	38.6	42.7
97.5°	0.3	12.4	27.2	38.3	42.0
100°	0.3	12.1	26.9	37.6	41.7
102.5°	0.3	12.1	26.2	36.9	40.7
105°	0.3	11.7	25.8	36.2	40.0
107.5°	0.3	11.4	25.2	35.5	39.3
110°	0.3	10.7	24.8	34.5	38.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	10.3	24.1	33.8	37.2
115°	0.3	10.0	23.4	32.7	36.2
117.5°	0.3	9.6	22.4	31.7	35.2
120°	0.7	9.6	21.7	30.7	33.8
122.5°	0.7	9.3	20.7	29.3	32.4
125°	0.7	9.0	19.6	28.3	31.4
127.5°	0.7	8.6	18.6	26.9	29.6
130°	0.7	7.9	17.9	25.5	28.3
132.5°	0.7	7.6	16.9	23.8	26.5
135°	0.7	6.9	15.9	22.4	25.2
137.5°	0.7	6.5	14.8	21.0	23.4
140°	0.7	6.2	13.4	19.6	22.1
142.5°	0.7	5.5	12.4	18.3	20.3
145°	0.7	5.2	11.0	16.9	18.6
147.5°	0.7	4.5	10.0	15.5	17.2
150°	0.7	4.1	9.0	14.1	15.9
152.5°	0.7	3.8	7.9	12.4	14.1
155°	0.7	3.4	7.2	10.7	12.8
157.5°	0.7	3.1	6.2	9.3	11.4
160°	1.0	2.8	5.5	7.9	9.6
162.5°	1.0	2.4	4.5	6.5	8.6
165°	1.0	2.4	3.8	5.2	7.2
167.5°	1.0	2.1	3.1	4.1	5.9
170°	1.0	1.7	2.8	3.1	4.5
172.5°	1.0	1.4	2.1	2.1	2.4
175°	1.0	1.4	1.7	1.7	1.0
177.5°	1.0	1.0	1.0	1.0	0.7
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)