

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: P567107

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-LW-UNV-CC83-CD-5000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

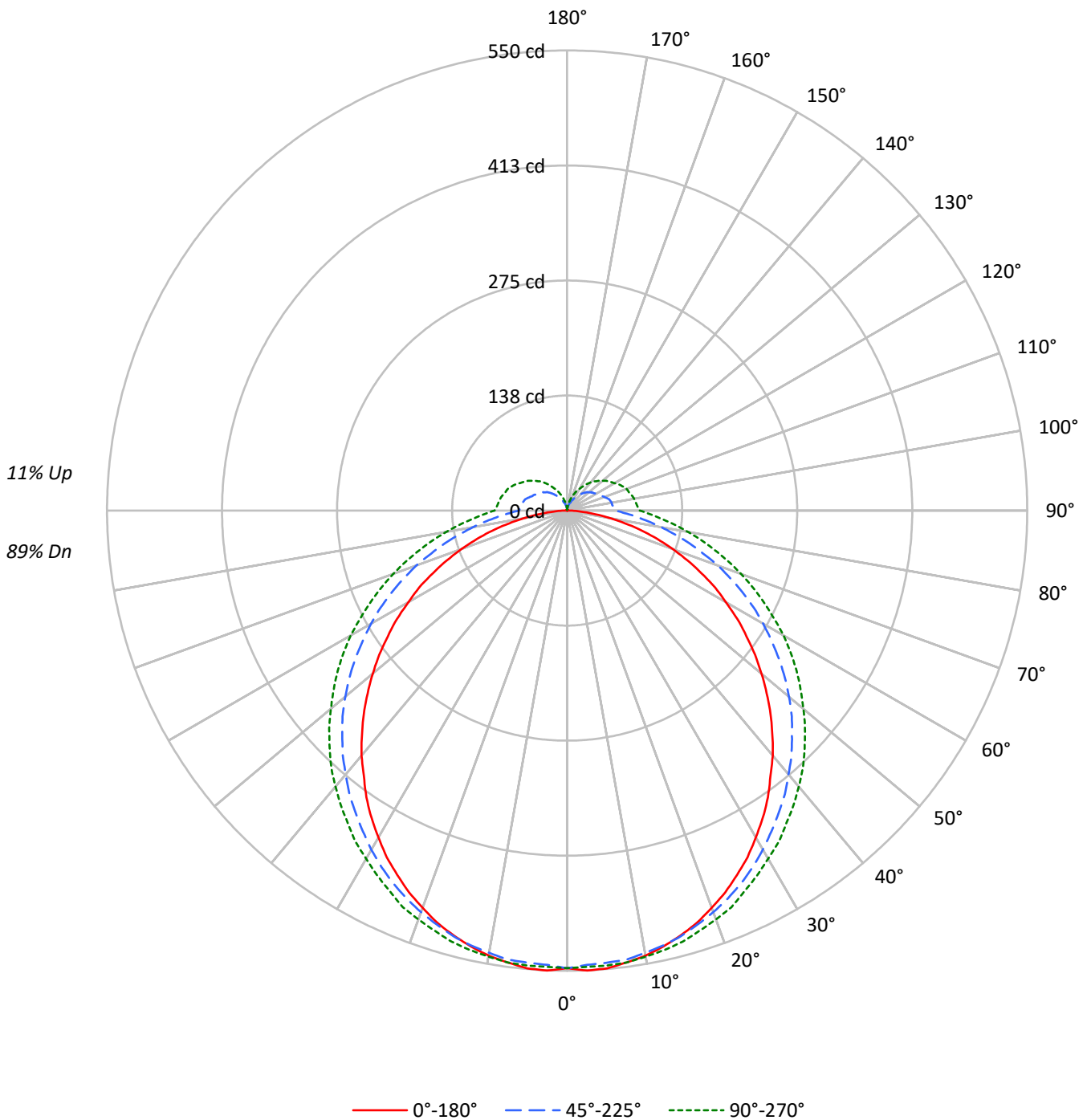
Lumens per Lamp: N/A
Luminaire Lumens: 1946.9 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 16.863
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5887	5887	5887
5°	5913	5615	5572
10°	5861	5391	5294
15°	5791	5174	5043
20°	5700	4949	4792
25°	5597	4734	4546
30°	5475	4512	4311
35°	5342	4289	4091
40°	5190	4072	3882
45°	5026	3854	3666
50°	4839	3630	3441
55°	4634	3381	3219
60°	4393	3119	2985
65°	4138	2839	2719
70°	3790	2539	2456
75°	3329	2190	2178
80°	2602	1838	1901
85°	1698	1511	1616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	2.7
10°-20°	149.3	7.7
20°-30°	227.0	11.7
30°-40°	275.6	14.2
40°-50°	291.2	15.0
50°-60°	272.5	14.0
60°-70°	223.6	11.5
70°-80°	153.8	7.9
80°-90°	84.2	4.3
90°-100°	54.2	2.8
100°-110°	48.7	2.5
110°-120°	40.3	2.1
120°-130°	31.0	1.6
130°-140°	21.8	1.1
140°-150°	13.1	0.7
150°-160°	6.3	0.3
160°-170°	2.1	0.1
170°-180°	0.2	0.0
0°-30°	428.3	22.0
0°-40°	703.9	36.2
0°-60°	1267.6	65.1
0°-90°	1729.3	88.8
90°-120°	143.2	7.4
90°-150°	209.1	10.7
90°-180°	218.0	11.2
0°-180°	1946.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	547	547	547	547	547	
5°	549	548	542	547	546	52
15°	526	528	527	533	533	148
25°	480	486	492	502	502	221
35°	418	428	441	453	457	261
45°	344	360	380	397	401	265
55°	262	283	309	328	335	234
65°	177	201	231	253	259	175
75°	92	117	151	175	183	97
85°	20	48	82	105	113	23
90°	0	27	58	79	87	1
95°	0	26	55	76	83	0
105°	0	21	52	71	78	1
115°	1	19	44	63	71	1
125°	1	16	37	54	61	1
135°	1	12	30	44	50	1
145°	1	9	21	34	37	1
155°	1	6	14	21	25	1
165°	1	3	7	10	12	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°	546.9	546.9	546.9	546.9	546.9
2.5°	550.3	549.2	543.5	548.0	545.8
5°	549.2	548.0	542.4	546.9	545.8
7.5°	544.7	544.7	541.3	545.8	544.7
10°	540.2	540.2	536.8	542.4	541.3
12.5°	533.4	534.5	532.3	539.0	537.9
15°	525.5	527.7	526.6	533.4	533.4
17.5°	516.5	518.7	518.7	526.6	526.6
20°	505.2	508.6	510.8	519.9	519.9
22.5°	493.9	498.4	501.8	509.7	513.1
25°	480.4	486.0	491.7	501.8	501.8
27.5°	466.9	473.6	480.4	490.5	491.7
30°	451.1	459.0	468.0	478.1	480.4
32.5°	435.3	445.4	454.4	466.9	470.2
35°	418.4	428.5	440.9	453.3	456.7
37.5°	399.2	411.6	427.4	440.9	444.3
40°	382.3	395.8	411.6	427.4	430.8
42.5°	363.1	377.8	396.9	411.6	417.2
45°	343.9	359.7	380.0	396.9	401.4
47.5°	323.6	341.7	364.2	380.0	385.7
50°	303.3	322.5	346.2	364.2	368.7
52.5°	283.0	303.3	328.2	346.2	351.8
55°	261.6	283.0	309.0	328.2	334.9
57.5°	241.3	262.7	289.8	310.1	316.9
60°	218.8	243.6	270.6	290.9	298.8
62.5°	199.6	222.1	251.5	271.8	278.5
65°	177.0	200.7	231.2	252.6	259.4
67.5°	155.6	180.4	210.9	233.4	240.2
70°	134.2	159.0	191.7	213.1	221.0
72.5°	112.8	138.7	170.3	194.0	201.9
75°	92.5	117.3	151.1	174.8	182.7
77.5°	71.0	98.1	131.9	155.6	164.6
80°	51.9	80.1	113.9	137.6	146.6
82.5°	35.0	63.1	97.0	120.7	129.7
85°	20.3	48.5	82.3	104.9	112.8
87.5°	10.1	37.2	68.8	91.3	99.2
90°	0.0	27.1	57.5	78.9	86.8
92.5°	0.0	25.9	56.4	76.7	84.6
95°	0.0	25.9	55.3	75.6	83.4
97.5°	0.0	24.8	54.1	75.6	82.3
100°	0.0	23.7	54.1	74.4	81.2
102.5°	0.0	22.6	53.0	73.3	80.1
105°	0.0	21.4	51.9	71.0	77.8
107.5°	1.1	21.4	49.6	69.9	76.7
110°	1.1	20.3	47.4	68.8	75.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	19.2	45.1	66.5	73.3
115°	1.1	19.2	44.0	63.1	71.0
117.5°	1.1	18.0	41.7	60.9	68.8
120°	1.1	18.0	40.6	58.6	65.4
122.5°	1.1	16.9	38.3	56.4	63.1
125°	1.1	15.8	37.2	54.1	60.9
127.5°	1.1	14.7	36.1	51.9	58.6
130°	1.1	13.5	33.8	49.6	55.3
132.5°	1.1	13.5	32.7	46.2	53.0
135°	1.1	12.4	30.4	44.0	49.6
137.5°	1.1	11.3	28.2	41.7	47.4
140°	1.1	10.1	25.9	39.5	44.0
142.5°	1.1	10.1	23.7	36.1	40.6
145°	1.1	9.0	21.4	33.8	37.2
147.5°	1.1	7.9	19.2	30.4	33.8
150°	1.1	7.9	16.9	27.1	30.4
152.5°	1.1	6.8	14.7	24.8	28.2
155°	1.1	5.6	13.5	21.4	24.8
157.5°	1.1	5.6	11.3	18.0	21.4
160°	1.1	4.5	10.1	14.7	18.0
162.5°	1.1	4.5	9.0	12.4	15.8
165°	1.1	3.4	6.8	10.1	12.4
167.5°	1.1	3.4	5.6	7.9	10.1
170°	1.1	2.3	4.5	5.6	7.9
172.5°	1.1	2.3	3.4	3.4	3.4
175°	1.1	1.1	2.3	2.3	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)