

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: P565891

Luminaire Tested: **2SNX-SL3-LW-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565891  
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: 2SNX-SL3-LW-UNV-CC83-CD-4000K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

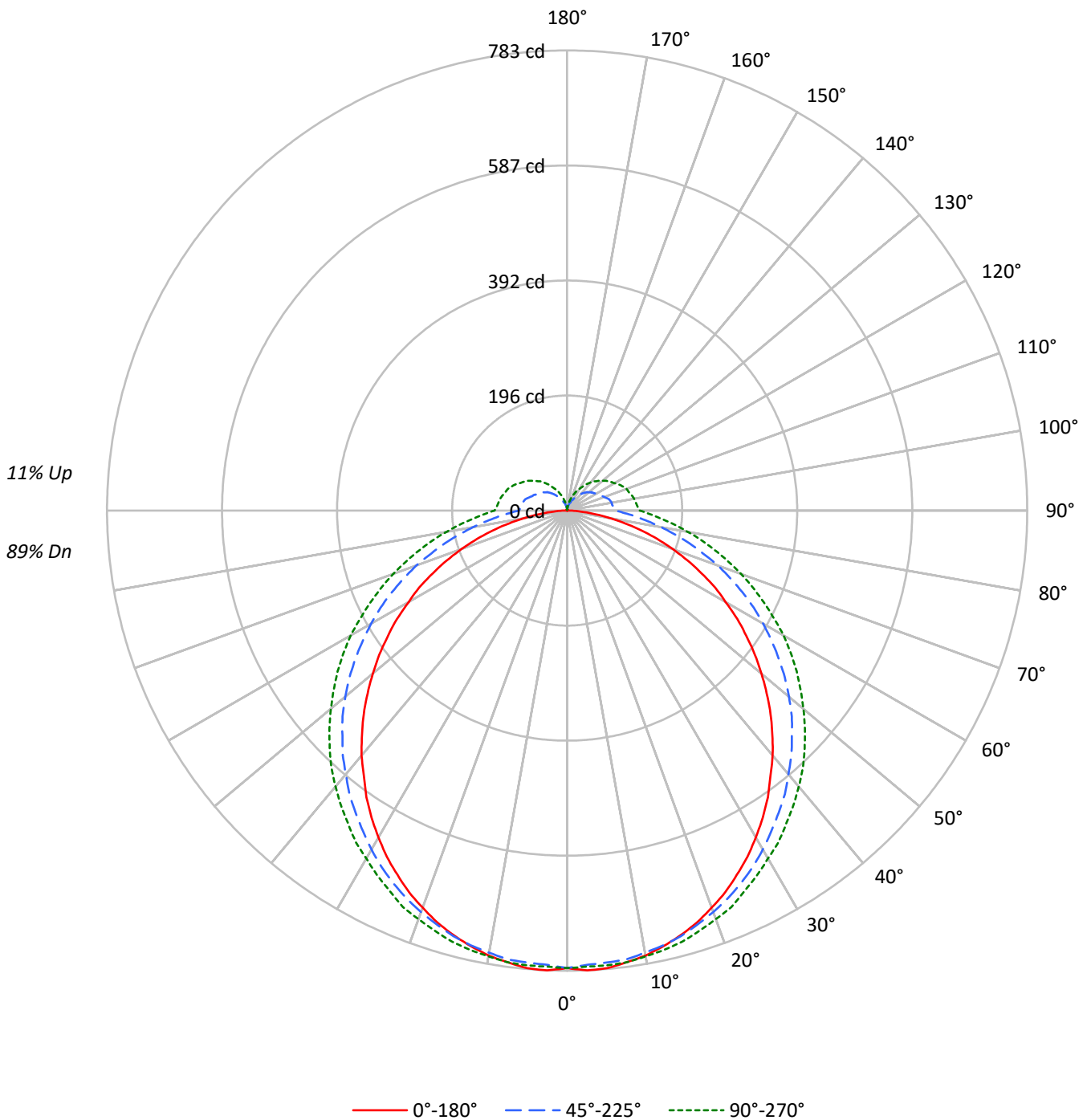
Lumens per Lamp: N/A  
Luminaire Lumens: 2771.0 lumens  
Efficiency: N/A  
Efficacy: 138.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 20  
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°	16757	16757	16757
5°	16768	15943	15862
10°	16563	15271	15069
15°	16305	14626	14354
20°	15987	13960	13641
25°	15633	13325	12941
30°	15226	12675	12272
35°	14785	12025	11646
40°	14291	11393	11049
45°	13756	10761	10436
50°	13152	10111	9794
55°	12487	9391	9165
60°	11716	8644	8498
65°	10890	7841	7738
70°	9782	6988	6993
75°	8349	6005	6200
80°	6213	5014	5409
85°	3656	4099	4599



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.9	2.7
10°-20°	212.5	7.7
20°-30°	323.1	11.7
30°-40°	392.2	14.2
40°-50°	414.5	15.0
50°-60°	387.8	14.0
60°-70°	318.2	11.5
70°-80°	218.9	7.9
80°-90°	119.9	4.3
90°-100°	77.2	2.8
100°-110°	69.3	2.5
110°-120°	57.3	2.1
120°-130°	44.2	1.6
130°-140°	31.0	1.1
140°-150°	18.7	0.7
150°-160°	8.9	0.3
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	609.6	22.0
0°-40°	1001.8	36.2
0°-60°	1804.1	65.1
0°-90°	2461.1	88.8
90°-120°	203.8	7.4
90°-150°	297.6	10.7
90°-180°	310.0	11.2
0°-180°	2771.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	782	780	772	778	777	74
15°	748	751	750	759	759	211
25°	684	692	700	714	714	315
35°	595	610	628	645	650	372
45°	490	512	541	565	571	377
55°	372	403	440	467	477	333
65°	252	286	329	360	369	250
75°	132	167	215	249	260	139
85°	29	69	117	149	160	33
90°	0	38	82	112	124	2
95°	0	37	79	108	119	0
105°	0	30	74	101	111	1
115°	2	27	63	90	101	2
125°	2	22	53	77	87	1
135°	2	18	43	63	71	1
145°	2	13	30	48	53	1
155°	2	8	19	30	35	1
165°	2	5	10	14	18	0
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°	778.4	778.4	778.4	778.4	778.4
2.5°	783.2	781.6	773.6	780.0	776.8
5°	781.6	780.0	772.0	778.4	776.8
7.5°	775.2	775.2	770.4	776.8	775.2
10°	768.8	768.8	763.9	772.0	770.4
12.5°	759.1	760.7	757.5	767.1	765.5
15°	747.9	751.1	749.5	759.1	759.1
17.5°	735.0	738.3	738.3	749.5	749.5
20°	719.0	723.8	727.0	739.9	739.9
22.5°	702.9	709.4	714.2	725.4	730.2
25°	683.7	691.7	699.7	714.2	714.2
27.5°	664.4	674.1	683.7	698.1	699.7
30°	642.0	653.2	666.0	680.5	683.7
32.5°	619.5	633.9	646.8	664.4	669.2
35°	595.4	609.9	627.5	645.2	650.0
37.5°	568.1	585.8	608.3	627.5	632.3
40°	544.1	563.3	585.8	608.3	613.1
42.5°	516.8	537.6	564.9	585.8	593.8
45°	489.5	512.0	540.9	564.9	571.3
47.5°	460.6	486.3	518.4	540.9	548.9
50°	431.7	459.0	492.7	518.4	524.8
52.5°	402.8	431.7	467.0	492.7	500.7
55°	372.3	402.8	439.7	467.0	476.7
57.5°	343.5	373.9	412.5	441.3	451.0
60°	311.4	346.7	385.2	414.1	425.3
62.5°	284.1	316.2	357.9	386.8	396.4
65°	252.0	285.7	329.0	359.5	369.1
67.5°	221.5	256.8	300.1	332.2	341.8
70°	191.0	226.3	272.8	303.3	314.6
72.5°	160.5	197.4	242.3	276.0	287.3
75°	131.6	166.9	215.1	248.8	260.0
77.5°	101.1	139.6	187.8	221.5	234.3
80°	73.8	113.9	162.1	195.8	208.6
82.5°	49.8	89.9	138.0	171.7	184.6
85°	28.9	69.0	117.2	149.3	160.5
87.5°	14.4	53.0	97.9	130.0	141.2
90°	0.0	38.5	81.9	112.3	123.6
92.5°	0.0	36.9	80.2	109.1	120.4
95°	0.0	36.9	78.6	107.5	118.8
97.5°	0.0	35.3	77.0	107.5	117.2
100°	0.0	33.7	77.0	105.9	115.6
102.5°	0.0	32.1	75.4	104.3	113.9
105°	0.0	30.5	73.8	101.1	110.7
107.5°	1.6	30.5	70.6	99.5	109.1
110°	1.6	28.9	67.4	97.9	107.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	27.3	64.2	94.7	104.3
115°	1.6	27.3	62.6	89.9	101.1
117.5°	1.6	25.7	59.4	86.7	97.9
120°	1.6	25.7	57.8	83.5	93.1
122.5°	1.6	24.1	54.6	80.2	89.9
125°	1.6	22.5	53.0	77.0	86.7
127.5°	1.6	20.9	51.4	73.8	83.5
130°	1.6	19.3	48.1	70.6	78.6
132.5°	1.6	19.3	46.5	65.8	75.4
135°	1.6	17.7	43.3	62.6	70.6
137.5°	1.6	16.0	40.1	59.4	67.4
140°	1.6	14.4	36.9	56.2	62.6
142.5°	1.6	14.4	33.7	51.4	57.8
145°	1.6	12.8	30.5	48.1	53.0
147.5°	1.6	11.2	27.3	43.3	48.1
150°	1.6	11.2	24.1	38.5	43.3
152.5°	1.6	9.6	20.9	35.3	40.1
155°	1.6	8.0	19.3	30.5	35.3
157.5°	1.6	8.0	16.0	25.7	30.5
160°	1.6	6.4	14.4	20.9	25.7
162.5°	1.6	6.4	12.8	17.7	22.5
165°	1.6	4.8	9.6	14.4	17.7
167.5°	1.6	4.8	8.0	11.2	14.4
170°	1.6	3.2	6.4	8.0	11.2
172.5°	1.6	3.2	4.8	4.8	4.8
175°	1.6	1.6	3.2	3.2	1.6
177.5°	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)