

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: P565894

Luminaire Tested: **2SNX-SL3-LW-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565894  
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-5000K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

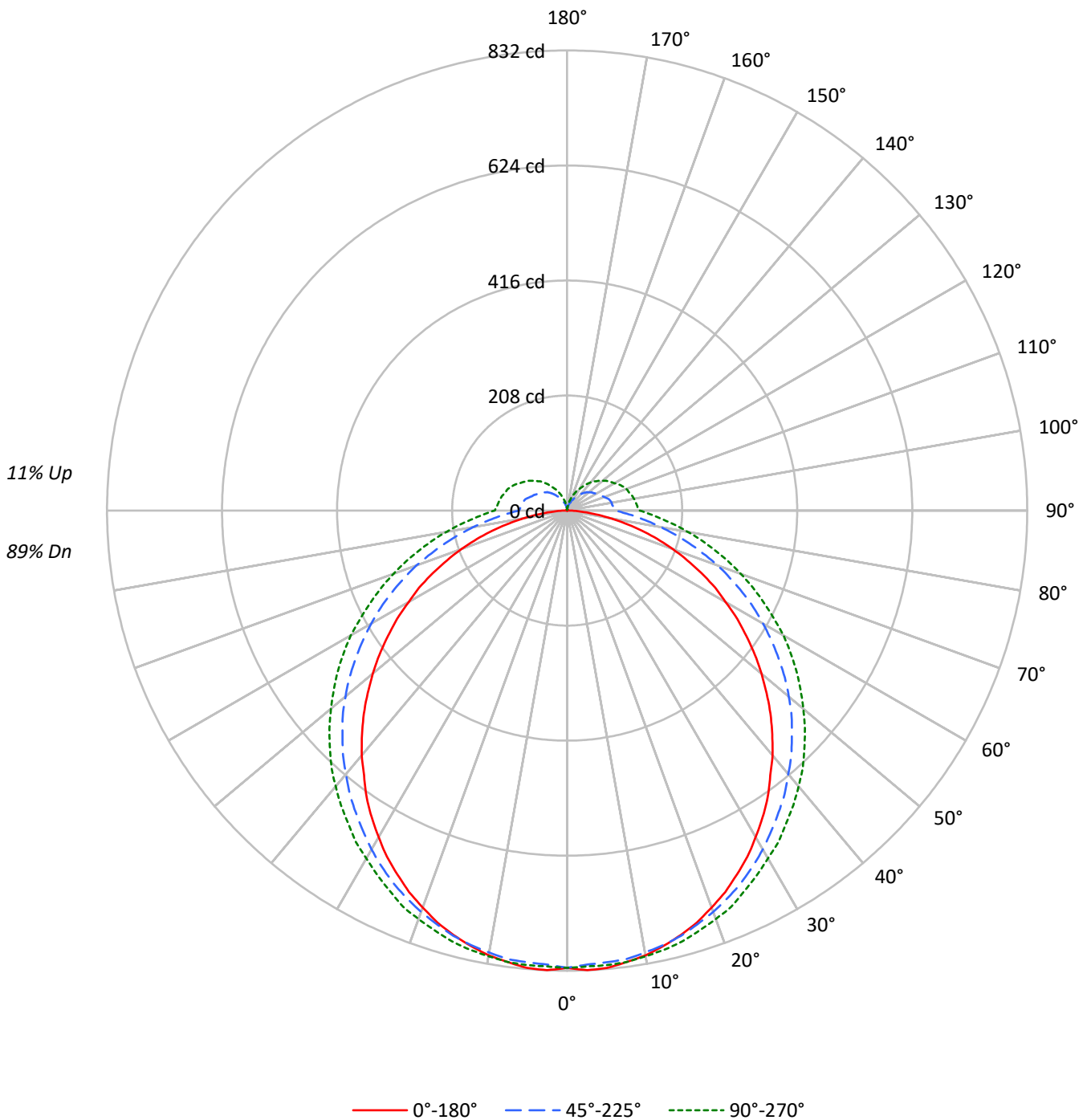
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2943.0 lumens  
Efficiency: N/A  
Efficacy: 145.7 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): 20.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	76	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°	17797	17797	17797
5°	17809	16932	16846
10°	17590	16220	16004
15°	17316	15533	15245
20°	16979	14828	14487
25°	16602	14153	13744
30°	16170	13463	13033
35°	15704	12773	12368
40°	15176	12101	11734
45°	14611	11427	11084
50°	13969	10739	10403
55°	13265	9974	9733
60°	12443	9181	9026
65°	11565	8327	8218
70°	10387	7424	7426
75°	8870	6377	6584
80°	6600	5327	5746
85°	3884	4351	4886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.5	2.7
10°-20°	225.7	7.7
20°-30°	343.2	11.7
30°-40°	416.6	14.2
40°-50°	440.2	15.0
50°-60°	411.9	14.0
60°-70°	338.0	11.5
70°-80°	232.5	7.9
80°-90°	127.3	4.3
90°-100°	82.0	2.8
100°-110°	73.6	2.5
110°-120°	60.9	2.1
120°-130°	46.9	1.6
130°-140°	32.9	1.1
140°-150°	19.8	0.7
150°-160°	9.5	0.3
160°-170°	3.1	0.1
170°-180°	0.4	0.0
0°-30°	647.4	22.0
0°-40°	1064.0	36.2
0°-60°	1916.1	65.1
0°-90°	2613.9	88.8
90°-120°	216.4	7.4
90°-150°	316.1	10.7
90°-180°	329.0	11.2
0°-180°	2943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	827	827	827	827	827	
5°	830	828	820	827	825	79
15°	794	798	796	806	806	224
25°	726	735	743	758	758	335
35°	632	648	666	685	690	395
45°	520	544	574	600	607	401
55°	396	428	467	496	506	354
65°	268	303	349	382	392	265
75°	140	177	228	264	276	147
85°	31	73	124	158	170	35
90°	0	41	87	119	131	2
95°	0	39	84	114	126	0
105°	0	32	78	107	118	1
115°	2	29	66	96	107	2
125°	2	24	56	82	92	2
135°	2	19	46	66	75	1
145°	2	14	32	51	56	1
155°	2	8	20	32	38	1
165°	2	5	10	15	19	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°	826.7	826.7	826.7	826.7	826.7
2.5°	831.8	830.1	821.6	828.4	825.0
5°	830.1	828.4	819.9	826.7	825.0
7.5°	823.3	823.3	818.2	825.0	823.3
10°	816.5	816.5	811.4	819.9	818.2
12.5°	806.2	807.9	804.5	814.8	813.1
15°	794.3	797.7	796.0	806.2	806.2
17.5°	780.7	784.1	784.1	796.0	796.0
20°	763.6	768.7	772.2	785.8	785.8
22.5°	746.6	753.4	758.5	770.4	775.6
25°	726.1	734.7	743.2	758.5	758.5
27.5°	705.7	715.9	726.1	741.5	743.2
30°	681.8	693.7	707.4	722.7	726.1
32.5°	657.9	673.3	686.9	705.7	710.8
35°	632.4	647.7	666.5	685.2	690.3
37.5°	603.4	622.2	646.0	666.5	671.6
40°	577.8	598.3	622.2	646.0	651.1
42.5°	548.9	571.0	600.0	622.2	630.7
45°	519.9	543.7	574.4	600.0	606.8
47.5°	489.2	516.5	550.6	574.4	582.9
50°	458.5	487.5	523.3	550.6	557.4
52.5°	427.8	458.5	496.0	523.3	531.8
55°	395.5	427.8	467.0	496.0	506.2
57.5°	364.8	397.2	438.1	468.7	479.0
60°	330.7	368.2	409.1	439.8	451.7
62.5°	301.7	335.8	380.1	410.8	421.0
65°	267.6	303.4	349.4	381.8	392.0
67.5°	235.2	272.7	318.7	352.8	363.1
70°	202.8	240.3	289.8	322.2	334.1
72.5°	170.5	209.7	257.4	293.2	305.1
75°	139.8	177.3	228.4	264.2	276.1
77.5°	107.4	148.3	199.4	235.2	248.9
80°	78.4	121.0	172.2	208.0	221.6
82.5°	52.8	95.5	146.6	182.4	196.0
85°	30.7	73.3	124.4	158.5	170.5
87.5°	15.3	56.2	104.0	138.1	150.0
90°	0.0	40.9	86.9	119.3	131.2
92.5°	0.0	39.2	85.2	115.9	127.8
95°	0.0	39.2	83.5	114.2	126.1
97.5°	0.0	37.5	81.8	114.2	124.4
100°	0.0	35.8	81.8	112.5	122.7
102.5°	0.0	34.1	80.1	110.8	121.0
105°	0.0	32.4	78.4	107.4	117.6
107.5°	1.7	32.4	75.0	105.7	115.9
110°	1.7	30.7	71.6	104.0	114.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	29.0	68.2	100.6	110.8
115°	1.7	29.0	66.5	95.5	107.4
117.5°	1.7	27.3	63.1	92.0	104.0
120°	1.7	27.3	61.4	88.6	98.9
122.5°	1.7	25.6	58.0	85.2	95.5
125°	1.7	23.9	56.2	81.8	92.0
127.5°	1.7	22.2	54.5	78.4	88.6
130°	1.7	20.5	51.1	75.0	83.5
132.5°	1.7	20.5	49.4	69.9	80.1
135°	1.7	18.7	46.0	66.5	75.0
137.5°	1.7	17.0	42.6	63.1	71.6
140°	1.7	15.3	39.2	59.7	66.5
142.5°	1.7	15.3	35.8	54.5	61.4
145°	1.7	13.6	32.4	51.1	56.2
147.5°	1.7	11.9	29.0	46.0	51.1
150°	1.7	11.9	25.6	40.9	46.0
152.5°	1.7	10.2	22.2	37.5	42.6
155°	1.7	8.5	20.5	32.4	37.5
157.5°	1.7	8.5	17.0	27.3	32.4
160°	1.7	6.8	15.3	22.2	27.3
162.5°	1.7	6.8	13.6	18.7	23.9
165°	1.7	5.1	10.2	15.3	18.7
167.5°	1.7	5.1	8.5	11.9	15.3
170°	1.7	3.4	6.8	8.5	11.9
172.5°	1.7	3.4	5.1	5.1	5.1
175°	1.7	1.7	3.4	3.4	1.7
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)