

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: P565893

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565893  
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-MED  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

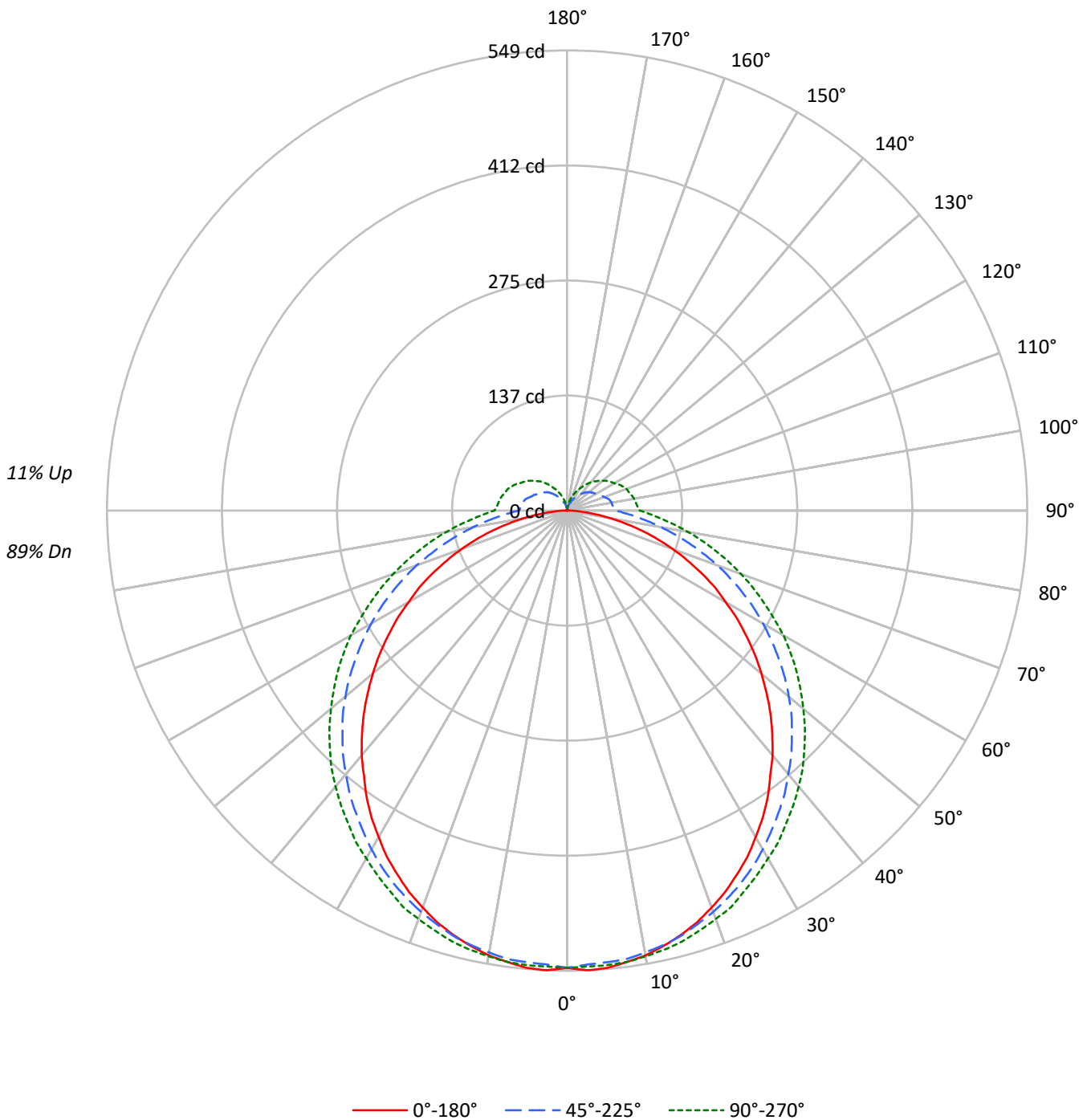
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1942.0 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): 13.332  
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°	11743	11743	11743
5°	11752	11173	11116
10°	11608	10703	10561
15°	11426	10251	10060
20°	11204	9784	9559
25°	10957	9339	9069
30°	10670	8884	8601
35°	10362	8428	8161
40°	10015	7983	7744
45°	9642	7540	7314
50°	9219	7086	6864
55°	8751	6582	6424
60°	8210	6057	5957
65°	7632	5496	5424
70°	6853	4898	4901
75°	5850	4207	4345
80°	4352	3514	3791
85°	2555	2872	3224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.8	2.7
10°-20°	148.9	7.7
20°-30°	226.5	11.7
30°-40°	274.9	14.2
40°-50°	290.5	15.0
50°-60°	271.8	14.0
60°-70°	223.0	11.5
70°-80°	153.4	7.9
80°-90°	84.0	4.3
90°-100°	54.1	2.8
100°-110°	48.5	2.5
110°-120°	40.2	2.1
120°-130°	30.9	1.6
130°-140°	21.7	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°	427.2	22.0
0°-40°	702.1	36.2
0°-60°	1264.4	65.1
0°-90°	1724.8	88.8
90°-120°	142.8	7.4
90°-150°	208.6	10.7
90°-180°	217.0	11.2
0°-180°	1942.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	546	546	546	546	546	
5°	548	547	541	546	544	52
15°	524	526	525	532	532	148
25°	479	485	490	500	500	221
35°	417	427	440	452	456	261
45°	343	359	379	396	400	264
55°	261	282	308	327	334	234
65°	177	200	231	252	259	175
75°	92	117	151	174	182	97
85°	20	48	82	105	112	23
90°	0	27	57	79	87	1
95°	0	26	55	75	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°	545.5	545.5	545.5	545.5	545.5
2.5°	548.9	547.8	542.1	546.6	544.4
5°	547.8	546.6	541.0	545.5	544.4
7.5°	543.3	543.3	539.9	544.4	543.3
10°	538.8	538.8	535.4	541.0	539.9
12.5°	532.0	533.1	530.9	537.6	536.5
15°	524.1	526.4	525.3	532.0	532.0
17.5°	515.1	517.4	517.4	525.3	525.3
20°	503.9	507.3	509.5	518.5	518.5
22.5°	492.6	497.1	500.5	508.4	511.8
25°	479.2	484.8	490.4	500.5	500.5
27.5°	465.7	472.4	479.2	489.3	490.4
30°	449.9	457.8	466.8	476.9	479.2
32.5°	434.2	444.3	453.3	465.7	469.0
35°	417.3	427.4	439.8	452.2	455.5
37.5°	398.2	410.5	426.3	439.8	443.2
40°	381.3	394.8	410.5	426.3	429.7
42.5°	362.2	376.8	395.9	410.5	416.2
45°	343.1	358.8	379.0	395.9	400.4
47.5°	322.8	340.8	363.3	379.0	384.7
50°	302.6	321.7	345.3	363.3	367.8
52.5°	282.3	302.6	327.3	345.3	350.9
55°	260.9	282.3	308.2	327.3	334.1
57.5°	240.7	262.1	289.1	309.3	316.1
60°	218.2	242.9	269.9	290.2	298.1
62.5°	199.1	221.6	250.8	271.1	277.8
65°	176.6	200.2	230.6	251.9	258.7
67.5°	155.2	180.0	210.3	232.8	239.6
70°	133.8	158.6	191.2	212.6	220.5
72.5°	112.5	138.3	169.8	193.5	201.3
75°	92.2	117.0	150.7	174.3	182.2
77.5°	70.9	97.9	131.6	155.2	164.2
80°	51.7	79.9	113.6	137.2	146.2
82.5°	34.9	63.0	96.7	120.4	129.3
85°	20.2	48.4	82.1	104.6	112.5
87.5°	10.1	37.1	68.6	91.1	99.0
90°	0.0	27.0	57.4	78.7	86.6
92.5°	0.0	25.9	56.2	76.5	84.4
95°	0.0	25.9	55.1	75.4	83.2
97.5°	0.0	24.7	54.0	75.4	82.1
100°	0.0	23.6	54.0	74.2	81.0
102.5°	0.0	22.5	52.9	73.1	79.9
105°	0.0	21.4	51.7	70.9	77.6
107.5°	1.1	21.4	49.5	69.7	76.5
110°	1.1	20.2	47.2	68.6	75.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	19.1	45.0	66.4	73.1
115°	1.1	19.1	43.9	63.0	70.9
117.5°	1.1	18.0	41.6	60.7	68.6
120°	1.1	18.0	40.5	58.5	65.2
122.5°	1.1	16.9	38.2	56.2	63.0
125°	1.1	15.7	37.1	54.0	60.7
127.5°	1.1	14.6	36.0	51.7	58.5
130°	1.1	13.5	33.7	49.5	55.1
132.5°	1.1	13.5	32.6	46.1	52.9
135°	1.1	12.4	30.4	43.9	49.5
137.5°	1.1	11.2	28.1	41.6	47.2
140°	1.1	10.1	25.9	39.4	43.9
142.5°	1.1	10.1	23.6	36.0	40.5
145°	1.1	9.0	21.4	33.7	37.1
147.5°	1.1	7.9	19.1	30.4	33.7
150°	1.1	7.9	16.9	27.0	30.4
152.5°	1.1	6.7	14.6	24.7	28.1
155°	1.1	5.6	13.5	21.4	24.7
157.5°	1.1	5.6	11.2	18.0	21.4
160°	1.1	4.5	10.1	14.6	18.0
162.5°	1.1	4.5	9.0	12.4	15.7
165°	1.1	3.4	6.7	10.1	12.4
167.5°	1.1	3.4	5.6	7.9	10.1
170°	1.1	2.2	4.5	5.6	7.9
172.5°	1.1	2.2	3.4	3.4	3.4
175°	1.1	1.1	2.2	2.2	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)