

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: P565518

Luminaire Tested: **2SNX-19SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565518  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-19SL-LN-UNV-L930-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

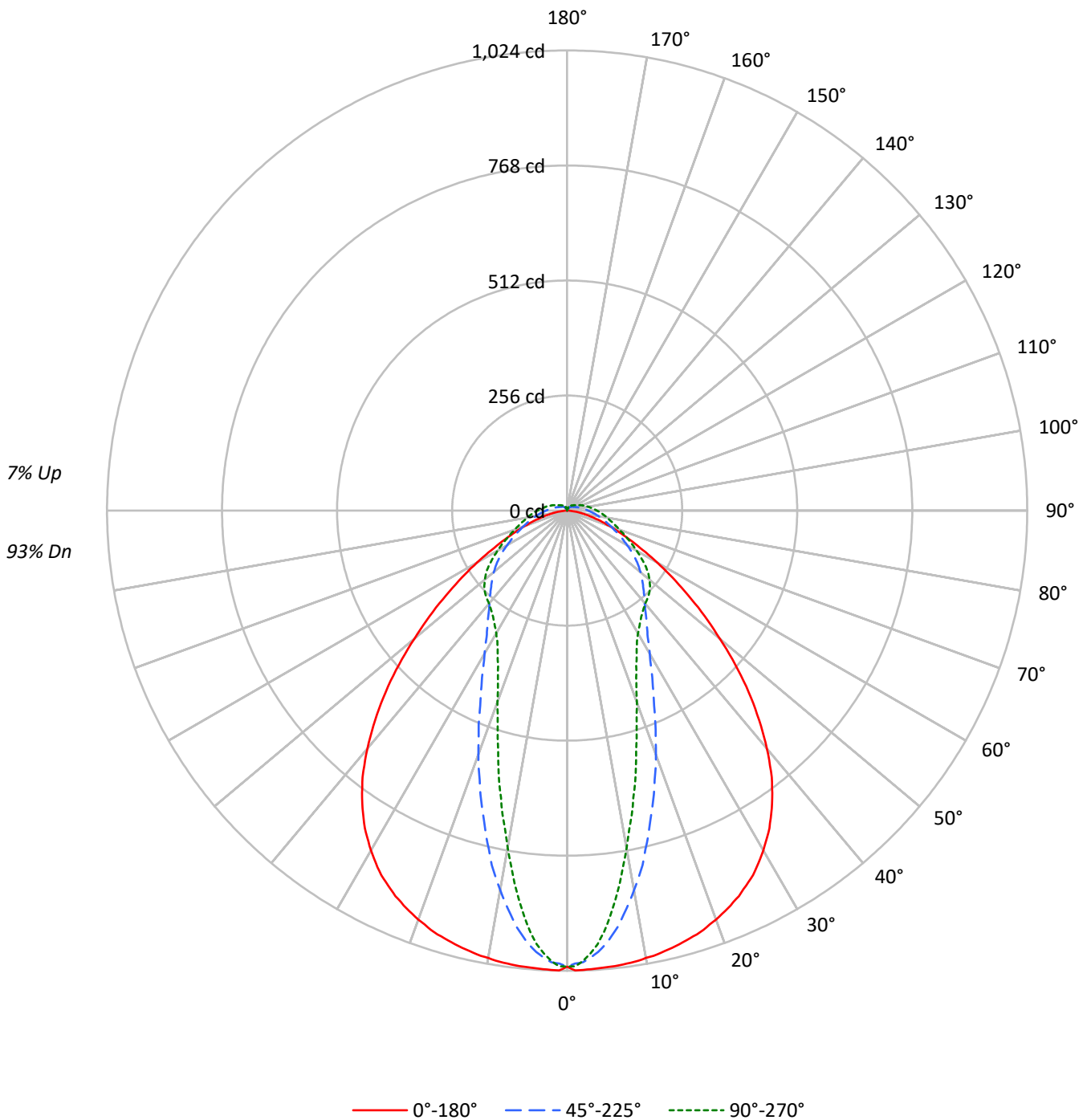
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1618.0 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 12  
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	21851	21851	21851
5°	21885	20034	19218
10°	21776	17138	14911
15°	21685	13949	11175
20°	21532	11090	8364
25°	21251	8673	6637
30°	20715	7003	5661
35°	19751	5916	5151
40°	18173	5212	4875
45°	16061	4757	4724
50°	13512	4367	4462
55°	11008	3949	4076
60°	8710	3463	3575
65°	6668	3032	3111
70°	5081	2672	2752
75°	3819	2390	2506
80°	2568	2178	2331
85°	1290	2018	2235



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	5.6
10°-20°	210.7	13.0
20°-30°	250.1	15.5
30°-40°	251.6	15.6
40°-50°	233.9	14.5
50°-60°	192.6	11.9
60°-70°	135.7	8.4
70°-80°	88.7	5.5
80°-90°	56.6	3.5
90°-100°	37.1	2.3
100°-110°	25.2	1.6
110°-120°	17.3	1.1
120°-130°	11.9	0.7
130°-140°	8.0	0.5
140°-150°	4.9	0.3
150°-160°	2.6	0.2
160°-170°	0.9	0.1
170°-180°	0.2	0.0
0°-30°	550.7	34.0
0°-40°	802.3	49.6
0°-60°	1228.8	75.9
0°-90°	1509.8	93.3
90°-120°	79.6	4.9
90°-150°	104.5	6.5
90°-180°	108.0	6.7
0°-180°	1618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	1020	1006	970	951	941	97
15°	995	889	715	625	591	281
25°	929	687	455	382	366	428
35°	795	465	309	289	288	495
45°	572	306	239	252	259	439
55°	328	201	185	205	212	296
65°	154	121	127	143	148	157
75°	60	63	86	101	105	65
85°	10	29	58	75	78	13
90°	0	20	47	64	66	1
95°	0	14	39	53	56	0
105°	0	10	26	37	41	0
115°	1	8	19	27	29	1
125°	1	7	15	20	21	1
135°	1	6	12	15	16	1
145°	1	4	8	12	13	1
155°	1	3	6	8	9	0
165°	1	2	3	4	5	0
175°	2	2	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°	1015.0	1015.0	1015.0	1015.0	1015.0
1°	1023.5	1019.3	1008.2	1015.9	1014.2
2°	1022.7	1018.4	1005.7	1009.1	1003.1
3°	1021.8	1015.9	996.4	995.5	987.0
4°	1021.0	1011.6	984.5	974.3	967.5
5°	1020.1	1006.5	970.1	951.4	941.2
6°	1019.3	1000.6	951.4	923.4	909.0
7°	1017.6	991.3	931.9	893.8	875.1
8°	1015.9	982.8	907.3	861.5	838.6
9°	1014.2	971.8	882.7	826.8	799.6
10°	1010.8	960.7	857.3	791.2	762.3
11°	1009.1	948.0	832.7	757.2	723.3
12°	1005.7	934.5	806.4	721.6	691.9
13°	1002.3	920.0	774.2	691.1	655.5
14°	998.9	904.8	746.2	657.2	624.1
15°	994.7	888.7	714.8	625.0	591.0
16°	990.4	870.0	686.9	591.9	556.3
17°	986.2	852.2	660.6	561.4	529.1
18°	981.1	834.4	630.0	531.7	500.3
19°	974.3	814.1	605.5	504.5	475.7
20°	968.4	795.4	577.5	479.1	453.7
21°	961.6	772.5	549.5	455.4	429.9
22.5°	951.4	740.3	513.9	425.7	401.9
23°	946.3	730.9	499.5	414.7	394.3
24°	939.6	706.4	475.7	397.7	377.3
25°	929.4	686.9	455.4	382.4	366.3
26°	920.0	663.1	435.0	368.9	352.8
27°	910.7	640.2	417.2	354.5	340.9
28°	898.8	616.5	397.7	342.6	330.7
29°	886.1	594.4	381.6	332.4	323.1
30°	873.4	569.8	368.0	323.1	315.4
32.5°	837.8	515.6	333.3	305.3	300.2
35°	795.4	464.7	308.7	289.2	287.5
37.5°	747.9	418.0	286.6	276.4	278.1
40°	691.9	375.7	268.0	267.1	270.5
42.5°	632.6	339.2	253.5	259.5	264.6
45°	571.5	306.1	239.1	251.8	258.6
47.5°	507.9	277.3	226.4	242.5	250.2
50°	443.5	249.3	212.8	231.5	239.1
52.5°	385.8	224.7	199.3	218.8	227.3
55°	328.2	201.0	184.9	205.2	212.0
57.5°	278.1	178.9	169.6	189.9	195.0
60°	231.5	157.7	154.3	173.0	178.9
62.5°	189.1	139.1	139.9	157.7	163.7
65°	154.3	121.3	127.2	143.3	148.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	125.5	104.3	114.5	131.4	135.7
70°	99.2	89.0	104.3	119.6	123.8
72.5°	78.9	75.5	94.1	110.2	113.6
75°	60.2	62.7	85.6	100.9	105.1
77.5°	43.2	52.6	77.2	93.3	96.7
80°	30.5	43.2	70.4	86.5	89.9
82.5°	19.5	35.6	63.6	80.6	83.9
85°	10.2	28.8	57.7	74.6	78.0
87.5°	4.2	23.7	51.7	68.7	72.1
90°	0.0	19.5	46.6	63.6	66.1
92.5°	0.0	17.0	42.4	58.5	61.1
95°	0.0	14.4	39.0	53.4	56.0
97.5°	0.0	13.6	34.8	49.2	51.7
100°	0.0	11.9	31.4	44.9	48.3
102.5°	0.0	11.0	28.8	40.7	44.1
105°	0.0	10.2	26.3	37.3	40.7
107.5°	0.0	9.3	24.6	34.8	37.3
110°	0.0	9.3	22.0	32.2	34.8
112.5°	0.8	8.5	20.4	28.8	31.4
115°	0.8	8.5	18.7	27.1	28.8
117.5°	0.8	8.5	17.8	24.6	26.3
120°	0.8	7.6	17.0	22.9	24.6
122.5°	0.8	7.6	16.1	21.2	22.0
125°	0.8	6.8	15.3	19.5	21.2
127.5°	0.8	6.8	14.4	18.7	19.5
130°	0.8	6.8	13.6	17.0	18.7
132.5°	0.8	5.9	12.7	16.1	17.0
135°	0.8	5.9	11.9	15.3	16.1
137.5°	0.8	5.1	11.0	14.4	15.3
140°	0.8	5.1	10.2	13.6	14.4
142.5°	0.8	4.2	9.3	12.7	13.6
145°	0.8	4.2	8.5	11.9	12.7
147.5°	0.8	4.2	7.6	11.0	11.9
150°	0.8	3.4	6.8	10.2	11.0
152.5°	0.8	3.4	5.9	9.3	10.2
155°	0.8	3.4	5.9	8.5	9.3
157.5°	0.8	2.5	5.1	6.8	8.5
160°	0.8	2.5	4.2	5.9	7.6
162.5°	0.8	2.5	4.2	5.1	5.9
165°	0.8	1.7	3.4	4.2	5.1
167.5°	0.8	1.7	2.5	3.4	4.2
170°	0.8	1.7	2.5	2.5	3.4
172.5°	0.8	1.7	1.7	1.7	1.7
175°	1.7	1.7	1.7	1.7	0.8
177.5°	1.7	1.7	1.7	0.8	0.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)