

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: P565520

Luminaire Tested: **2SNX-19SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565520  
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-L940-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

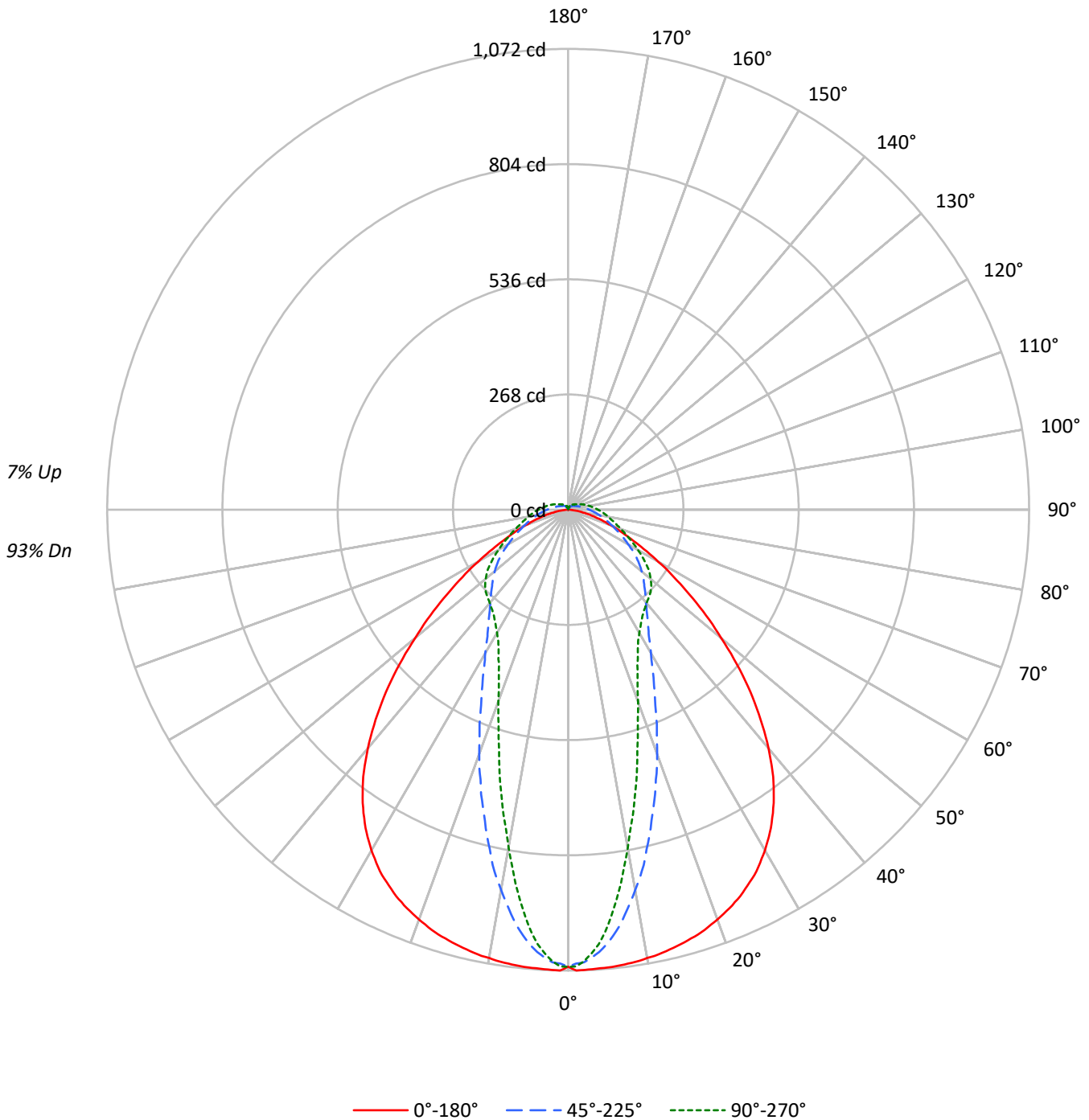
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1695.0 lumens  
Efficiency: N/A  
Efficacy: 141.3 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	67	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°	22891	22891	22891
5°	22928	20986	20133
10°	22812	17954	15621
15°	22716	14614	11709
20°	22557	11616	8763
25°	22261	9084	6955
30°	21701	7336	5932
35°	20690	6198	5395
40°	19040	5459	5107
45°	16825	4984	4948
50°	14154	4576	4675
55°	11531	4137	4270
60°	9124	3629	3745
65°	6988	3175	3260
70°	5321	2800	2883
75°	4003	2504	2628
80°	2694	2280	2443
85°	1354	2113	2341



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.2	5.6
10°-20°	220.7	13.0
20°-30°	262.0	15.5
30°-40°	263.6	15.6
40°-50°	245.0	14.5
50°-60°	201.8	11.9
60°-70°	142.2	8.4
70°-80°	92.9	5.5
80°-90°	59.3	3.5
90°-100°	38.9	2.3
100°-110°	26.4	1.6
110°-120°	18.1	1.1
120°-130°	12.5	0.7
130°-140°	8.4	0.5
140°-150°	5.2	0.3
150°-160°	2.7	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	576.9	34.0
0°-40°	840.5	49.6
0°-60°	1287.3	75.9
0°-90°	1581.6	93.3
90°-120°	83.4	4.9
90°-150°	109.5	6.5
90°-180°	113.0	6.7
0°-180°	1695.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1063	1063	1063	1063	1063	
5°	1069	1054	1016	997	986	102
15°	1042	931	749	655	619	294
25°	974	720	477	401	384	448
35°	833	487	323	303	301	518
45°	599	321	250	264	271	460
55°	344	210	194	215	222	311
65°	162	127	133	150	156	164
75°	63	66	90	106	110	68
85°	11	30	60	78	82	13
90°	0	20	49	67	69	1
95°	0	15	41	56	59	0
105°	0	11	28	39	43	0
115°	1	9	20	28	30	1
125°	1	7	16	20	22	1
135°	1	6	12	16	17	1
145°	1	4	9	12	13	1
155°	1	4	6	9	10	0
165°	1	2	4	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°	1063.3	1063.3	1063.3	1063.3	1063.3
1°	1072.2	1067.8	1056.2	1064.2	1062.4
2°	1071.3	1066.9	1053.6	1057.1	1050.9
3°	1070.4	1064.2	1043.8	1042.9	1034.0
4°	1069.5	1059.8	1031.3	1020.7	1013.6
5°	1068.7	1054.4	1016.2	996.7	986.0
6°	1067.8	1048.2	996.7	967.4	952.3
7°	1066.0	1038.5	976.3	936.3	916.8
8°	1064.2	1029.6	950.5	902.5	878.6
9°	1062.4	1018.0	924.7	866.1	837.7
10°	1058.9	1006.5	898.1	828.8	798.6
11°	1057.1	993.1	872.3	793.3	757.7
12°	1053.6	978.9	844.8	756.0	724.9
13°	1050.0	963.8	811.0	724.0	686.7
14°	1046.4	947.8	781.7	688.5	653.8
15°	1042.0	931.0	748.9	654.7	619.2
16°	1037.6	911.4	719.5	620.1	582.7
17°	1033.1	892.8	692.0	588.1	554.3
18°	1027.8	874.1	660.0	557.0	524.1
19°	1020.7	852.8	634.3	528.6	498.3
20°	1014.5	833.2	604.9	501.9	475.3
21°	1007.4	809.3	575.6	477.0	450.4
22.5°	996.7	775.5	538.3	445.9	421.1
23°	991.4	765.7	523.2	434.4	413.1
24°	984.3	740.0	498.3	416.6	395.3
25°	973.6	719.5	477.0	400.6	383.8
26°	963.8	694.7	455.7	386.4	369.5
27°	954.1	670.7	437.1	371.3	357.1
28°	941.6	645.8	416.6	358.9	346.4
29°	928.3	622.7	399.7	348.2	338.5
30°	915.0	597.0	385.5	338.5	330.5
32.5°	877.7	540.1	349.1	319.8	314.5
35°	833.2	486.8	323.4	302.9	301.1
37.5°	783.5	437.9	300.3	289.6	291.4
40°	724.9	393.5	280.7	279.8	283.4
42.5°	662.7	355.3	265.6	271.8	277.2
45°	598.7	320.7	250.5	263.8	270.9
47.5°	532.1	290.5	237.2	254.1	262.1
50°	464.6	261.2	223.0	242.5	250.5
52.5°	404.2	235.4	208.8	229.2	238.1
55°	343.8	210.5	193.7	215.0	222.1
57.5°	291.4	187.4	177.7	199.0	204.3
60°	242.5	165.2	161.7	181.2	187.4
62.5°	198.1	145.7	146.6	165.2	171.4
65°	161.7	127.0	133.2	150.1	155.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	131.5	109.3	119.9	137.7	142.1
70°	103.9	93.3	109.3	125.3	129.7
72.5°	82.6	79.1	98.6	115.5	119.0
75°	63.1	65.7	89.7	105.7	110.2
77.5°	45.3	55.1	80.8	97.7	101.3
80°	32.0	45.3	73.7	90.6	94.2
82.5°	20.4	37.3	66.6	84.4	87.9
85°	10.7	30.2	60.4	78.2	81.7
87.5°	4.4	24.9	54.2	72.0	75.5
90°	0.0	20.4	48.9	66.6	69.3
92.5°	0.0	17.8	44.4	61.3	64.0
95°	0.0	15.1	40.9	56.0	58.6
97.5°	0.0	14.2	36.4	51.5	54.2
100°	0.0	12.4	32.9	47.1	50.6
102.5°	0.0	11.5	30.2	42.6	46.2
105°	0.0	10.7	27.5	39.1	42.6
107.5°	0.0	9.8	25.8	36.4	39.1
110°	0.0	9.8	23.1	33.8	36.4
112.5°	0.9	8.9	21.3	30.2	32.9
115°	0.9	8.9	19.5	28.4	30.2
117.5°	0.9	8.9	18.7	25.8	27.5
120°	0.9	8.0	17.8	24.0	25.8
122.5°	0.9	8.0	16.9	22.2	23.1
125°	0.9	7.1	16.0	20.4	22.2
127.5°	0.9	7.1	15.1	19.5	20.4
130°	0.9	7.1	14.2	17.8	19.5
132.5°	0.9	6.2	13.3	16.9	17.8
135°	0.9	6.2	12.4	16.0	16.9
137.5°	0.9	5.3	11.5	15.1	16.0
140°	0.9	5.3	10.7	14.2	15.1
142.5°	0.9	4.4	9.8	13.3	14.2
145°	0.9	4.4	8.9	12.4	13.3
147.5°	0.9	4.4	8.0	11.5	12.4
150°	0.9	3.6	7.1	10.7	11.5
152.5°	0.9	3.6	6.2	9.8	10.7
155°	0.9	3.6	6.2	8.9	9.8
157.5°	0.9	2.7	5.3	7.1	8.9
160°	0.9	2.7	4.4	6.2	8.0
162.5°	0.9	2.7	4.4	5.3	6.2
165°	0.9	1.8	3.6	4.4	5.3
167.5°	0.9	1.8	2.7	3.6	4.4
170°	0.9	1.8	2.7	2.7	3.6
172.5°	0.9	1.8	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)