

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: P565503

Luminaire Tested: **2SNX-19SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-19SL-FDL-UNV-L935-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

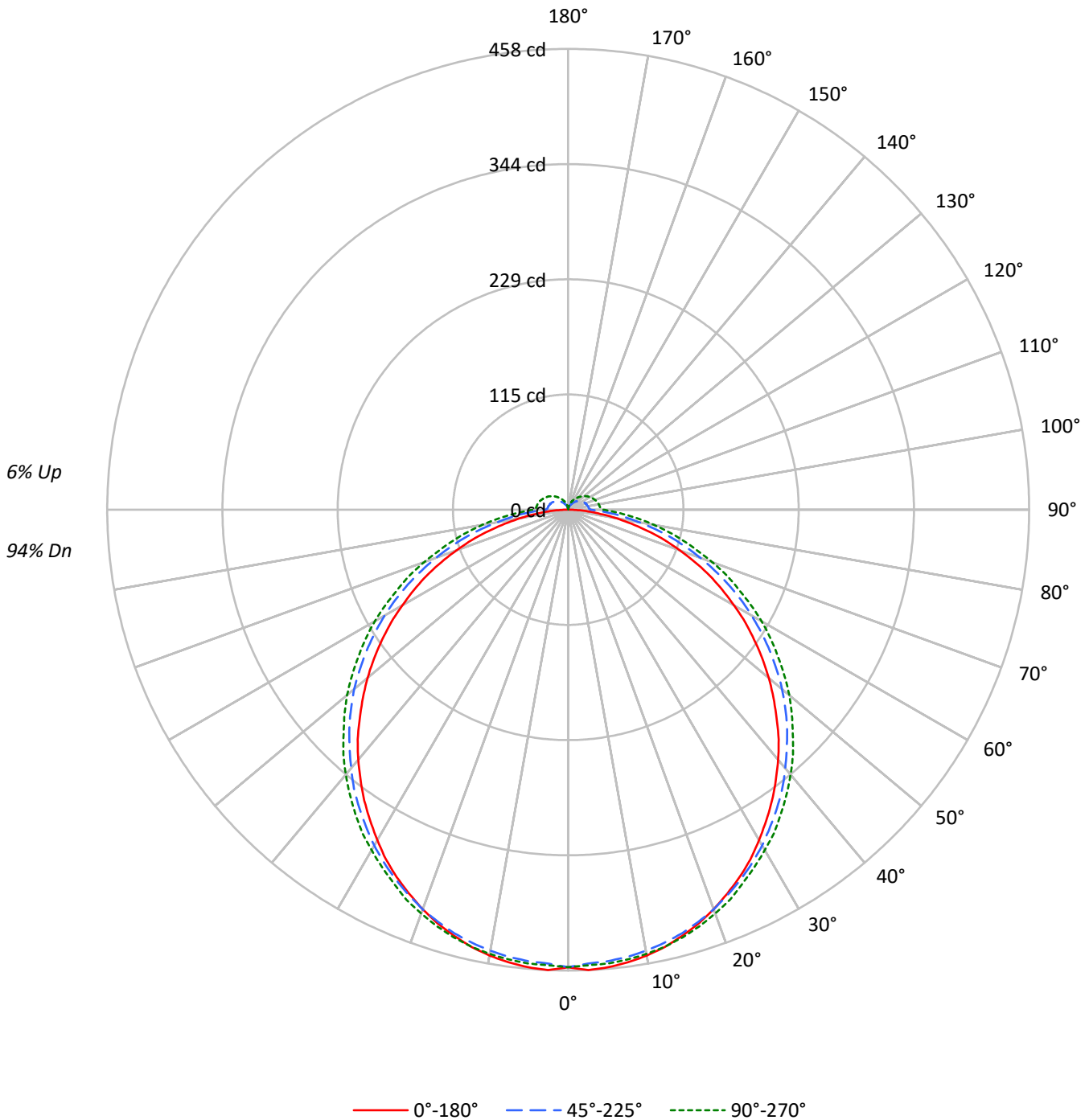
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1445.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 12
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

TEST NUMBER: P565503
CATALOG NUMBER: 2SNX-19SL-FDL-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565503

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9789	9789	9789
5°	9847	9622	9642
10°	9799	9510	9520
15°	9714	9384	9385
20°	9606	9234	9225
25°	9480	9067	9034
30°	9314	8899	8860
35°	9146	8701	8677
40°	8963	8485	8474
45°	8729	8269	8233
50°	8503	8023	8016
55°	8226	7719	7713
60°	7912	7374	7414
65°	7573	6961	6999
70°	7007	6445	6575
75°	6321	5837	6061
80°	5311	5031	5494
85°	3990	4321	4830



TEST NUMBER: P565503

CATALOG NUMBER: 2SNX-19SL-FDL-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	3.0
10°-20°	123.7	8.6
20°-30°	187.5	13.0
30°-40°	226.4	15.7
40°-50°	236.4	16.4
50°-60°	217.2	15.0
60°-70°	171.7	11.9
70°-80°	108.7	7.5
80°-90°	46.7	3.2
90°-100°	20.6	1.4
100°-110°	18.4	1.3
110°-120°	15.5	1.1
120°-130°	12.1	0.8
130°-140°	8.4	0.6
140°-150°	5.0	0.3
150°-160°	2.5	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	354.4	24.5
0°-40°	580.8	40.2
0°-60°	1034.4	71.6
0°-90°	1361.5	94.2
90°-120°	54.5	3.8
90°-150°	80.1	5.5
90°-180°	84.0	5.8
0°-180°	1445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	456	455	450	454	453	43
15°	438	438	436	441	440	124
25°	403	405	405	411	410	186
35°	353	357	362	368	369	221
45°	293	300	308	314	316	226
55°	226	235	245	253	254	202
65°	155	164	176	184	186	153
75°	82	92	105	114	118	87
85°	20	31	44	54	57	22
90°	1	11	22	32	35	2
95°	0	10	20	29	32	0
105°	0	9	19	27	30	0
115°	0	7	17	24	27	0
125°	0	7	15	21	23	0
135°	0	5	12	17	19	0
145°	0	4	8	12	14	0
155°	0	3	5	8	10	0
165°	1	2	3	4	5	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 2SNX-19SL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	454.7	454.7	454.7	454.7	454.7
2.5°	458.0	456.5	451.4	455.0	453.2
5°	456.5	455.2	450.4	454.2	452.7
7.5°	453.7	452.7	448.3	452.4	450.9
10°	449.9	449.1	445.2	449.3	448.3
12.5°	445.0	444.7	440.9	445.5	444.7
15°	438.3	438.3	436.0	440.6	439.9
17.5°	431.2	431.4	429.6	434.5	434.0
20°	422.5	423.8	422.5	427.6	427.1
22.5°	413.0	414.8	414.3	419.4	419.7
25°	403.0	404.8	405.3	410.7	409.9
27.5°	392.0	394.8	395.9	400.7	400.5
30°	379.2	383.1	385.4	389.5	390.7
32.5°	366.2	370.8	373.6	379.2	380.8
35°	353.1	357.2	361.8	367.5	368.7
37.5°	338.8	343.4	349.5	354.9	356.5
40°	324.5	329.6	335.5	341.4	343.7
42.5°	309.6	315.0	321.4	328.3	330.6
45°	292.7	299.9	307.6	313.5	315.5
47.5°	276.6	284.5	292.7	299.1	301.4
50°	260.2	268.7	277.4	283.3	286.9
52.5°	243.1	252.3	261.0	268.4	270.7
55°	225.7	234.9	244.6	252.6	254.4
57.5°	208.8	217.8	227.5	234.9	238.5
60°	190.4	200.1	210.6	218.0	221.9
62.5°	172.5	181.9	193.2	201.1	204.2
65°	155.3	164.0	175.5	183.7	186.5
67.5°	136.4	146.4	157.4	166.8	170.4
70°	117.7	127.2	139.7	148.7	152.3
72.5°	100.3	109.5	122.1	131.0	134.3
75°	81.9	91.6	104.9	113.9	118.2
77.5°	64.2	75.0	87.8	97.5	102.4
80°	47.9	57.3	71.1	81.9	86.2
82.5°	32.5	42.7	57.1	67.0	71.9
85°	20.0	30.7	44.0	53.5	56.8
87.5°	9.5	19.7	32.0	41.2	45.3
90°	1.3	11.0	22.5	31.5	34.8
92.5°	0.3	9.5	20.7	29.2	32.2
95°	0.3	9.5	20.5	28.7	31.7
97.5°	0.3	9.2	20.2	28.4	31.2
100°	0.3	9.0	20.0	27.9	31.0
102.5°	0.3	9.0	19.4	27.4	30.2
105°	0.3	8.7	19.2	26.9	29.7
107.5°	0.3	8.4	18.7	26.4	29.2
110°	0.3	7.9	18.4	25.6	28.4



TEST NUMBER: P565503

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	7.7	17.9	25.1	27.6
115°	0.3	7.4	17.4	24.3	26.9
117.5°	0.3	7.2	16.6	23.5	26.1
120°	0.5	7.2	16.1	22.8	25.1
122.5°	0.5	6.9	15.4	21.8	24.1
125°	0.5	6.7	14.6	21.0	23.3
127.5°	0.5	6.4	13.8	20.0	22.0
130°	0.5	5.9	13.3	18.9	21.0
132.5°	0.5	5.6	12.5	17.7	19.7
135°	0.5	5.1	11.8	16.6	18.7
137.5°	0.5	4.9	11.0	15.6	17.4
140°	0.5	4.6	10.0	14.6	16.4
142.5°	0.5	4.1	9.2	13.6	15.1
145°	0.5	3.8	8.2	12.5	13.8
147.5°	0.5	3.3	7.4	11.5	12.8
150°	0.5	3.1	6.7	10.5	11.8
152.5°	0.5	2.8	5.9	9.2	10.5
155°	0.5	2.6	5.4	7.9	9.5
157.5°	0.5	2.3	4.6	6.9	8.4
160°	0.8	2.0	4.1	5.9	7.2
162.5°	0.8	1.8	3.3	4.9	6.4
165°	0.8	1.8	2.8	3.8	5.4
167.5°	0.8	1.5	2.3	3.1	4.4
170°	0.8	1.3	2.0	2.3	3.3
172.5°	0.8	1.0	1.5	1.5	1.8
175°	0.8	1.0	1.3	1.3	0.8
177.5°	0.8	0.8	0.8	0.8	0.5
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)