

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: P565791

Luminaire Tested: **2SNX-47HL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-47HL-FDL-UNV-L935-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

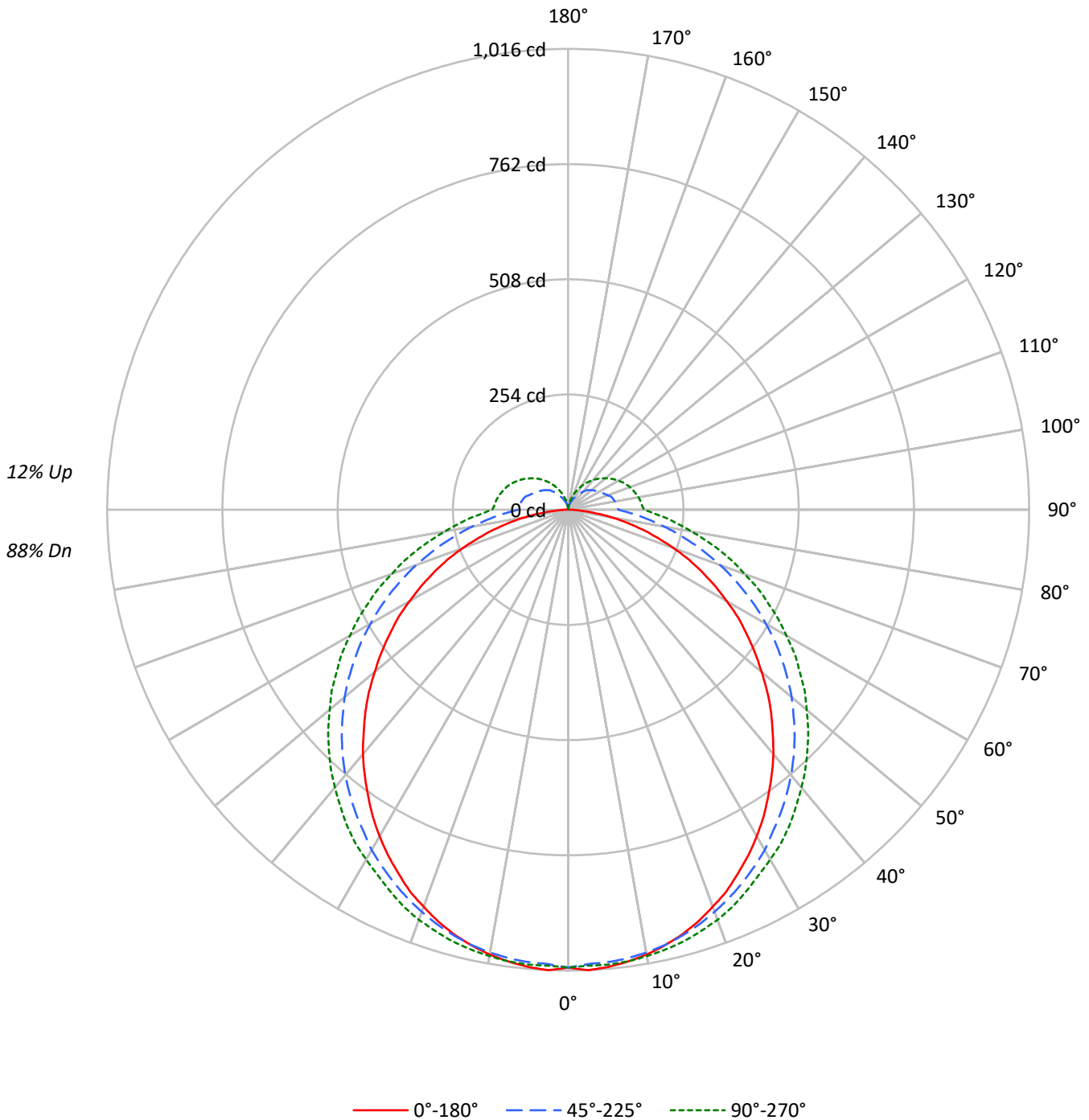
Lumens per Lamp: N/A
Luminaire Lumens: 3634.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 33.7
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: P565791

CATALOG NUMBER: 2SNX-47HL-FDL-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565791

CATALOG NUMBER: 2SNX-47HL-FDL-UNV-L935-CD

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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21730	21730	21730
5°	21827	21390	21446
10°	21686	21175	21223
15°	21490	20920	21017
20°	21182	20618	20781
25°	20817	20310	20464
30°	20421	20003	20193
35°	19924	19635	20006
40°	19439	19326	19716
45°	18857	18970	19470
50°	18180	18591	19162
55°	17532	18127	18884
60°	16785	17626	18546
65°	15872	17055	18215
70°	14711	16425	17839
75°	13066	15719	17712
80°	10766	15236	17571
85°	7441	15397	18519



TEST NUMBER: P565791

CATALOG NUMBER: 2SNX-47HL-FDL-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	2.6
10°-20°	275.6	7.6
20°-30°	419.3	11.5
30°-40°	509.9	14.0
40°-50°	539.4	14.8
50°-60°	505.6	13.9
60°-70°	416.0	11.4
70°-80°	287.8	7.9
80°-90°	160.0	4.4
90°-100°	105.4	2.9
100°-110°	94.5	2.6
110°-120°	78.3	2.2
120°-130°	60.5	1.7
130°-140°	42.8	1.2
140°-150°	25.8	0.7
150°-160°	12.4	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	790.8	21.8
0°-40°	1300.7	35.8
0°-60°	2345.8	64.6
0°-90°	3209.6	88.3
90°-120°	278.2	7.7
90°-150°	407.4	11.2
90°-180°	424.0	11.7
0°-180°	3634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1012	1010	1001	1009	1007	96
15°	970	973	972	985	985	273
25°	885	897	908	928	928	408
35°	769	790	816	843	850	481
45°	632	665	706	737	746	487
55°	481	524	574	610	623	431
65°	326	372	430	472	485	323
75°	169	218	282	327	345	180
85°	37	93	157	200	218	43
90°	1	52	111	152	167	2
95°	1	50	108	148	162	0
105°	1	43	101	139	151	1
115°	1	37	85	123	137	1
125°	1	32	73	105	118	1
135°	1	25	61	86	97	1
145°	1	18	42	65	73	1
155°	2	12	26	42	48	1
165°	2	8	14	19	25	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565791

CATALOG NUMBER: 2SNX-47HL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1009.4	1009.4	1009.4	1009.4	1009.4
2.5°	1016.2	1013.1	1002.5	1009.4	1006.3
5°	1011.9	1010.0	1001.3	1009.4	1006.9
7.5°	1005.0	1004.4	997.6	1006.9	1004.4
10°	995.7	996.9	991.3	1001.3	999.4
12.5°	983.9	985.7	983.2	994.4	993.2
15°	969.6	972.7	972.0	985.1	985.1
17.5°	952.1	956.5	959.0	973.9	973.9
20°	931.6	938.4	943.4	959.6	962.1
22.5°	911.1	919.1	926.6	943.4	947.2
25°	884.9	897.4	907.9	927.9	928.5
27.5°	859.4	873.1	887.4	906.7	908.6
30°	831.4	848.8	866.3	884.9	890.5
32.5°	801.5	820.8	840.1	865.0	872.5
35°	769.2	789.7	816.5	842.6	850.1
37.5°	736.8	759.8	791.0	817.7	824.6
40°	703.8	729.3	764.2	791.6	799.7
42.5°	667.1	698.2	735.6	764.8	774.2
45°	632.3	665.2	705.7	737.4	746.1
47.5°	595.5	630.4	674.0	707.6	717.5
50°	556.3	596.2	642.8	676.4	685.8
52.5°	519.6	560.1	609.2	644.1	657.2
55°	481.0	524.0	574.4	610.5	622.9
57.5°	445.0	486.0	540.2	576.3	591.8
60°	403.9	449.3	503.4	542.7	555.1
62.5°	365.3	411.3	467.4	507.8	522.1
65°	325.5	372.1	430.0	472.3	485.4
67.5°	288.1	334.2	393.3	435.0	451.8
70°	247.1	295.6	356.0	398.9	413.2
72.5°	206.6	257.0	318.6	364.7	380.9
75°	169.3	218.4	282.5	327.3	345.4
77.5°	133.2	183.0	247.7	293.7	309.3
80°	97.1	149.4	215.3	260.7	275.7
82.5°	64.1	118.9	184.2	229.6	245.8
85°	37.3	92.7	156.8	200.4	217.8
87.5°	16.2	70.3	131.3	174.2	188.6
90°	0.6	52.3	110.8	152.5	167.4
92.5°	0.6	51.0	108.3	149.4	163.7
95°	0.6	49.8	107.7	147.5	161.8
97.5°	0.6	49.2	106.4	146.2	159.9
100°	0.6	47.3	104.5	143.8	157.4
102.5°	0.6	44.8	102.7	141.3	154.3
105°	0.6	42.9	100.8	138.8	151.2
107.5°	0.6	41.1	97.7	135.7	148.1
110°	0.6	39.2	92.7	132.6	145.0



TEST NUMBER: P565791

CATALOG NUMBER: 2SNX-47HL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	38.6	89.0	128.2	141.3
115°	1.2	37.3	85.3	123.2	136.9
117.5°	1.2	36.7	82.1	118.2	132.6
120°	1.2	34.8	79.0	113.9	127.6
122.5°	1.2	33.0	75.9	109.5	123.2
125°	1.2	31.7	72.8	105.2	118.2
127.5°	1.2	29.9	70.3	100.8	112.6
130°	1.2	28.6	67.2	95.8	107.7
132.5°	1.2	26.8	64.1	90.9	102.1
135°	1.2	24.9	61.0	86.5	97.1
137.5°	1.2	22.4	57.3	81.5	91.5
140°	1.2	20.5	52.3	76.5	85.9
142.5°	1.2	19.3	47.3	70.9	79.7
145°	1.2	18.0	42.3	65.3	73.4
147.5°	1.2	16.8	38.0	59.7	67.2
150°	1.2	14.9	33.6	54.8	61.0
152.5°	1.9	13.7	29.9	48.5	54.8
155°	1.9	12.4	26.1	41.7	48.5
157.5°	1.9	11.2	22.4	34.8	42.3
160°	1.9	10.0	19.3	28.6	36.1
162.5°	1.9	9.3	16.8	23.6	30.5
165°	1.9	8.1	14.3	19.3	24.9
167.5°	1.9	6.2	11.8	14.9	20.5
170°	1.9	5.0	9.3	10.6	15.6
172.5°	1.9	3.7	6.8	7.5	8.1
175°	1.9	3.1	4.4	4.4	2.5
177.5°	1.9	2.5	2.5	2.5	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)