

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: P565823

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565823
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-SLW-UNV-L935-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

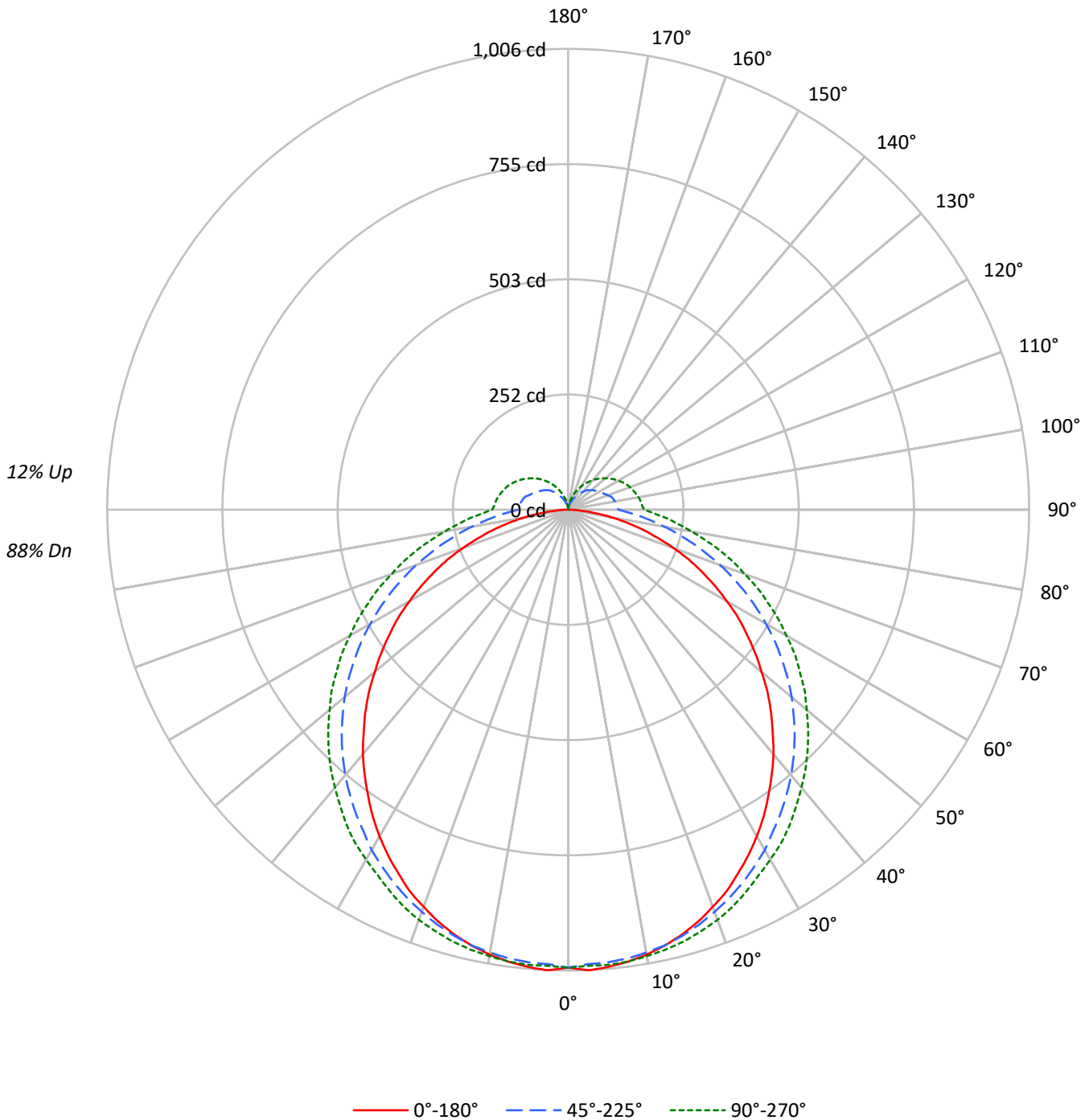
Lumens per Lamp: N/A
Luminaire Lumens: 3599.0 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	21521	21521	21521
5°	21577	20947	20941
10°	21399	20507	20440
15°	21165	20038	19967
20°	20822	19527	19475
25°	20422	19017	18913
30°	19989	18504	18396
35°	19455	17934	17952
40°	18931	17410	17408
45°	18305	16832	16891
50°	17584	16219	16299
55°	16880	15504	15707
60°	16067	14730	15029
65°	15076	13850	14303
70°	13826	12858	13470
75°	12071	11721	12709
80°	9644	10582	11740
85°	6199	9545	11112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	2.6
10°-20°	273.0	7.6
20°-30°	415.3	11.5
30°-40°	505.0	14.0
40°-50°	534.2	14.8
50°-60°	500.8	13.9
60°-70°	412.0	11.4
70°-80°	285.0	7.9
80°-90°	158.5	4.4
90°-100°	104.4	2.9
100°-110°	93.6	2.6
110°-120°	77.5	2.2
120°-130°	59.9	1.7
130°-140°	42.4	1.2
140°-150°	25.6	0.7
150°-160°	12.3	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	783.2	21.8
0°-40°	1288.2	35.8
0°-60°	2323.2	64.6
0°-90°	3178.7	88.3
90°-120°	275.6	7.7
90°-150°	403.5	11.2
90°-180°	420.0	11.7
0°-180°	3599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	1002	1000	992	1000	997	95
15°	960	963	963	976	976	271
25°	876	889	899	919	920	404
35°	762	782	809	834	842	477
45°	626	659	699	730	739	483
55°	476	519	569	605	617	426
65°	322	369	426	468	481	320
75°	168	216	280	324	342	178
85°	37	92	155	198	216	43
90°	1	52	110	151	166	2
95°	1	49	107	146	160	0
105°	1	42	100	137	150	1
115°	1	37	84	122	136	1
125°	1	31	72	104	117	1
135°	1	25	60	86	96	1
145°	1	18	42	65	73	1
155°	2	12	26	41	48	1
165°	2	8	14	19	25	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.7	999.7	999.7	999.7	999.7
2.5°	1006.4	1003.4	992.9	999.7	996.6
5°	1002.1	1000.3	991.7	999.7	997.2
7.5°	995.3	994.7	988.0	997.2	994.7
10°	986.1	987.3	981.8	991.7	989.8
12.5°	974.4	976.2	973.8	984.9	983.6
15°	960.2	963.3	962.7	975.6	975.6
17.5°	943.0	947.3	949.7	964.5	964.5
20°	922.6	929.4	934.3	950.4	952.8
22.5°	902.3	910.3	917.7	934.3	938.0
25°	876.4	888.7	899.2	918.9	919.5
27.5°	851.1	864.7	878.9	898.0	899.8
30°	823.4	840.7	857.9	876.4	881.9
32.5°	793.8	812.9	832.0	856.7	864.1
35°	761.8	782.1	808.6	834.5	841.9
37.5°	729.7	752.5	783.3	809.8	816.6
40°	697.1	722.3	756.8	784.0	792.0
42.5°	660.7	691.5	728.5	757.5	766.7
45°	626.2	658.8	698.9	730.3	739.0
47.5°	589.8	624.3	667.5	700.8	710.6
50°	551.0	590.4	636.7	669.9	679.2
52.5°	514.6	554.7	603.4	637.9	650.8
55°	476.4	518.9	568.9	604.6	616.9
57.5°	440.7	481.3	535.0	570.7	586.1
60°	400.0	445.0	498.6	537.4	549.8
62.5°	361.8	407.4	462.9	502.9	517.1
65°	322.3	368.6	425.9	467.8	480.7
67.5°	285.4	331.0	389.5	430.8	447.4
70°	244.7	292.7	352.5	395.1	409.2
72.5°	204.6	254.5	315.6	361.2	377.2
75°	167.6	216.3	279.8	324.2	342.1
77.5°	131.9	181.2	245.3	290.9	306.3
80°	96.1	147.9	213.2	258.2	273.0
82.5°	63.5	117.7	182.4	227.4	243.4
85°	37.0	91.8	155.3	198.5	215.7
87.5°	16.0	69.6	130.0	172.6	186.7
90°	0.6	51.8	109.7	151.0	165.8
92.5°	0.6	50.5	107.2	147.9	162.1
95°	0.6	49.3	106.6	146.1	160.2
97.5°	0.6	48.7	105.4	144.8	158.4
100°	0.6	46.8	103.5	142.4	155.9
102.5°	0.6	44.4	101.7	139.9	152.8
105°	0.6	42.5	99.8	137.4	149.8
107.5°	0.6	40.7	96.8	134.4	146.7
110°	0.6	38.8	91.8	131.3	143.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	38.2	88.1	127.0	139.9
115°	1.2	37.0	84.4	122.0	135.6
117.5°	1.2	36.4	81.4	117.1	131.3
120°	1.2	34.5	78.3	112.8	126.3
122.5°	1.2	32.7	75.2	108.5	122.0
125°	1.2	31.4	72.1	104.2	117.1
127.5°	1.2	29.6	69.6	99.8	111.6
130°	1.2	28.4	66.6	94.9	106.6
132.5°	1.2	26.5	63.5	90.0	101.1
135°	1.2	24.7	60.4	85.7	96.1
137.5°	1.2	22.2	56.7	80.7	90.6
140°	1.2	20.3	51.8	75.8	85.1
142.5°	1.2	19.1	46.8	70.3	78.9
145°	1.2	17.9	41.9	64.7	72.7
147.5°	1.2	16.6	37.6	59.2	66.6
150°	1.2	14.8	33.3	54.2	60.4
152.5°	1.8	13.6	29.6	48.1	54.2
155°	1.8	12.3	25.9	41.3	48.1
157.5°	1.8	11.1	22.2	34.5	41.9
160°	1.8	9.9	19.1	28.4	35.7
162.5°	1.8	9.2	16.6	23.4	30.2
165°	1.8	8.0	14.2	19.1	24.7
167.5°	1.8	6.2	11.7	14.8	20.3
170°	1.8	4.9	9.2	10.5	15.4
172.5°	1.8	3.7	6.8	7.4	8.0
175°	1.8	3.1	4.3	4.3	2.5
177.5°	1.8	2.5	2.5	2.5	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)