

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: P565824

Luminaire Tested: **2SNX-47HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565824
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-L940-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

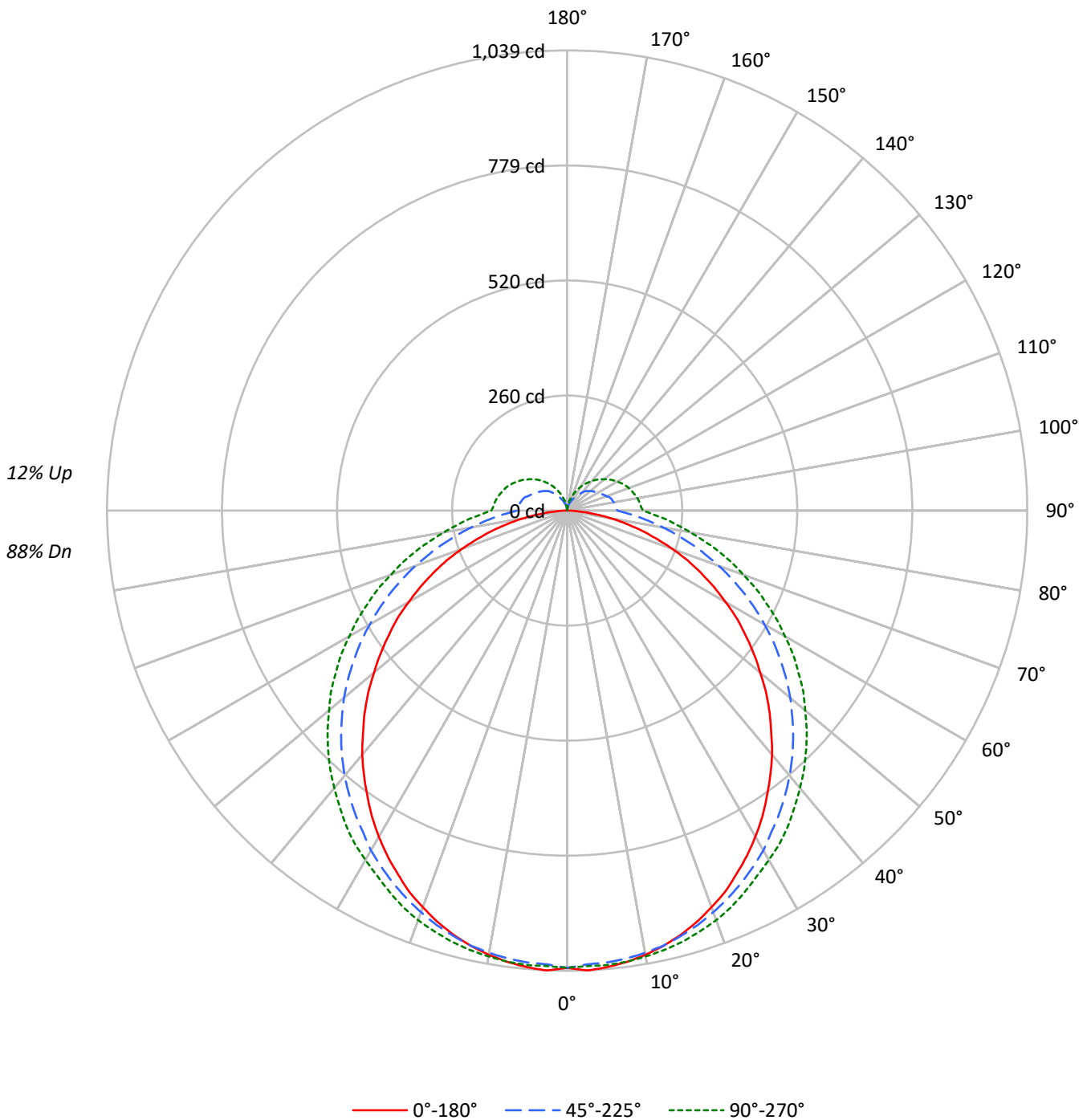
Lumens per Lamp: N/A
Luminaire Lumens: 3717.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P565824

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565824

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L940-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°	22225	22225	22225
5°	22286	21633	21628
10°	22100	21180	21112
15°	21859	20694	20622
20°	21506	20169	20115
25°	21091	19641	19534
30°	20645	19110	19001
35°	20091	18522	18541
40°	19550	17980	17977
45°	18904	17384	17444
50°	18162	16749	16831
55°	17433	16011	16223
60°	16594	15211	15522
65°	15572	14302	14773
70°	14278	13281	13914
75°	12467	12106	13125
80°	9965	10929	12127
85°	6400	9859	11478



TEST NUMBER: P565824

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	2.6
10°-20°	281.9	7.6
20°-30°	428.9	11.5
30°-40°	521.5	14.0
40°-50°	551.8	14.8
50°-60°	517.2	13.9
60°-70°	425.5	11.4
70°-80°	294.4	7.9
80°-90°	163.7	4.4
90°-100°	107.8	2.9
100°-110°	96.7	2.6
110°-120°	80.0	2.2
120°-130°	61.9	1.7
130°-140°	43.8	1.2
140°-150°	26.4	0.7
150°-160°	12.7	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	808.9	21.8
0°-40°	1330.4	35.8
0°-60°	2399.3	64.6
0°-90°	3282.9	88.3
90°-120°	284.6	7.7
90°-150°	416.7	11.2
90°-180°	434.0	11.7
0°-180°	3717.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1035	1033	1024	1032	1030	98
15°	992	995	994	1008	1008	280
25°	905	918	929	949	950	417
35°	787	808	835	862	870	492
45°	647	680	722	754	763	498
55°	492	536	588	624	637	440
65°	333	381	440	483	496	330
75°	173	223	289	335	353	184
85°	38	95	160	205	223	44
90°	1	54	113	156	171	3
95°	1	51	110	151	166	0
105°	1	44	103	142	155	1
115°	1	38	87	126	140	1
125°	1	32	74	108	121	1
135°	1	26	62	88	99	1
145°	1	18	43	67	75	1
155°	2	13	27	43	50	1
165°	2	8	15	20	26	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565824

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1032.4	1032.4	1032.4	1032.4	1032.4
2.5°	1039.4	1036.3	1025.4	1032.4	1029.3
5°	1035.0	1033.1	1024.2	1032.4	1029.9
7.5°	1028.0	1027.3	1020.3	1029.9	1027.3
10°	1018.4	1019.7	1014.0	1024.2	1022.3
12.5°	1006.3	1008.3	1005.7	1017.2	1015.9
15°	991.7	994.9	994.2	1007.6	1007.6
17.5°	973.9	978.3	980.9	996.2	996.2
20°	952.9	959.9	965.0	981.5	984.1
22.5°	931.9	940.1	947.8	965.0	968.8
25°	905.1	917.9	928.7	949.1	949.7
27.5°	879.0	893.0	907.7	927.4	929.3
30°	850.4	868.2	886.0	905.1	910.9
32.5°	819.8	839.6	859.3	884.8	892.4
35°	786.7	807.7	835.1	861.9	869.5
37.5°	753.6	777.2	809.0	836.4	843.4
40°	719.9	746.0	781.6	809.7	817.9
42.5°	682.4	714.2	752.4	782.3	791.8
45°	646.7	680.4	721.8	754.3	763.2
47.5°	609.2	644.8	689.4	723.7	733.9
50°	569.1	609.8	657.5	691.9	701.4
52.5°	531.5	572.9	623.2	658.8	672.2
55°	492.0	536.0	587.5	624.4	637.2
57.5°	455.1	497.1	552.5	589.4	605.3
60°	413.1	459.6	514.9	555.0	567.8
62.5°	373.6	420.7	478.0	519.4	534.0
65°	332.9	380.6	439.8	483.1	496.5
67.5°	294.7	341.8	402.3	444.9	462.1
70°	252.7	302.3	364.1	408.0	422.7
72.5°	211.3	262.9	325.9	373.0	389.6
75°	173.1	223.4	289.0	334.8	353.3
77.5°	136.2	187.1	253.3	300.4	316.4
80°	99.3	152.8	220.2	266.7	282.0
82.5°	65.6	121.6	188.4	234.9	251.4
85°	38.2	94.8	160.4	205.0	222.8
87.5°	16.5	71.9	134.3	178.2	192.9
90°	0.6	53.5	113.3	155.9	171.2
92.5°	0.6	52.2	110.8	152.8	167.4
95°	0.6	50.9	110.1	150.9	165.5
97.5°	0.6	50.3	108.8	149.6	163.6
100°	0.6	48.4	106.9	147.0	161.0
102.5°	0.6	45.8	105.0	144.5	157.9
105°	0.6	43.9	103.1	141.9	154.7
107.5°	0.6	42.0	99.9	138.8	151.5
110°	0.6	40.1	94.8	135.6	148.3



TEST NUMBER: P565824

CATALOG NUMBER: 2SNX-47HL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	39.5	91.0	131.1	144.5
115°	1.3	38.2	87.2	126.0	140.0
117.5°	1.3	37.6	84.0	120.9	135.6
120°	1.3	35.6	80.8	116.5	130.5
122.5°	1.3	33.7	77.7	112.0	126.0
125°	1.3	32.5	74.5	107.6	120.9
127.5°	1.3	30.6	71.9	103.1	115.2
130°	1.3	29.3	68.7	98.0	110.1
132.5°	1.3	27.4	65.6	92.9	104.4
135°	1.3	25.5	62.4	88.5	99.3
137.5°	1.3	22.9	58.6	83.4	93.6
140°	1.3	21.0	53.5	78.3	87.8
142.5°	1.3	19.7	48.4	72.6	81.5
145°	1.3	18.5	43.3	66.8	75.1
147.5°	1.3	17.2	38.8	61.1	68.7
150°	1.3	15.3	34.4	56.0	62.4
152.5°	1.9	14.0	30.6	49.6	56.0
155°	1.9	12.7	26.7	42.6	49.6
157.5°	1.9	11.5	22.9	35.6	43.3
160°	1.9	10.2	19.7	29.3	36.9
162.5°	1.9	9.5	17.2	24.2	31.2
165°	1.9	8.3	14.6	19.7	25.5
167.5°	1.9	6.4	12.1	15.3	21.0
170°	1.9	5.1	9.5	10.8	15.9
172.5°	1.9	3.8	7.0	7.6	8.3
175°	1.9	3.2	4.5	4.5	2.5
177.5°	1.9	2.5	2.5	2.5	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)