

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: P565776

Luminaire Tested: **2SNX-44HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565776
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-44HL-SLW-UNV-L940-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

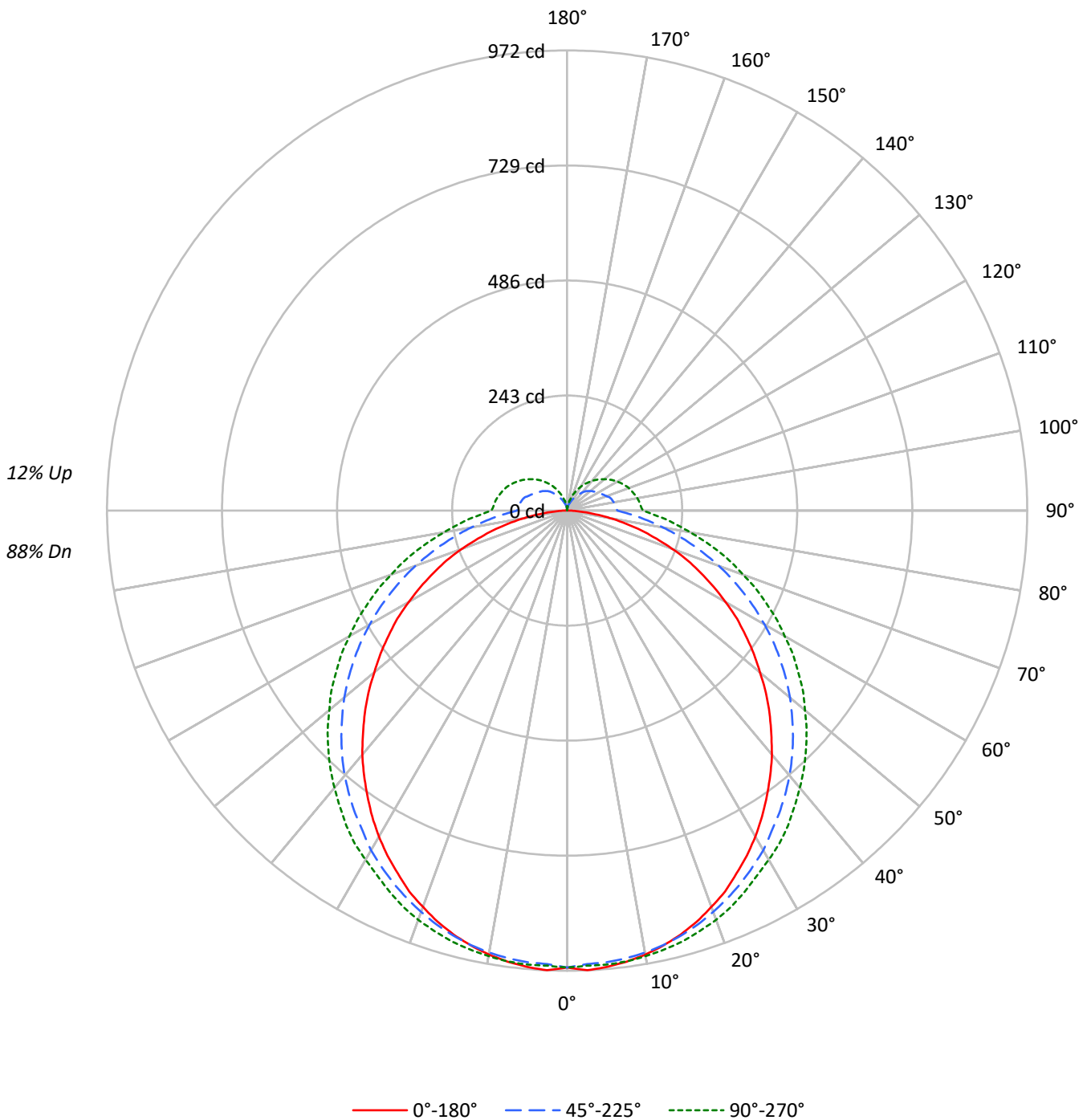
Lumens per Lamp: N/A
Luminaire Lumens: 3475.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 31.1
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: P565776

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565776

CATALOG NUMBER: 2SNX-44HL-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°	20779	20779	20779
5°	20834	20224	20219
10°	20662	19801	19736
15°	20435	19347	19280
20°	20104	18854	18804
25°	19718	18361	18263
30°	19300	17868	17764
35°	18784	17315	17334
40°	18277	16812	16808
45°	17674	16252	16308
50°	16978	15659	15737
55°	16299	14970	15167
60°	15513	14221	14510
65°	14557	13372	13812
70°	13346	12416	13006
75°	11660	11318	12270
80°	9313	10219	11336
85°	5981	9219	10731



TEST NUMBER: P565776

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.6
10°-20°	263.6	7.6
20°-30°	401.0	11.5
30°-40°	487.6	14.0
40°-50°	515.8	14.8
50°-60°	483.5	13.9
60°-70°	397.8	11.4
70°-80°	275.2	7.9
80°-90°	153.0	4.4
90°-100°	100.8	2.9
100°-110°	90.4	2.6
110°-120°	74.8	2.2
120°-130°	57.8	1.7
130°-140°	41.0	1.2
140°-150°	24.7	0.7
150°-160°	11.9	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	756.2	21.8
0°-40°	1243.8	35.8
0°-60°	2243.1	64.6
0°-90°	3069.2	88.3
90°-120°	266.1	7.7
90°-150°	389.6	11.2
90°-180°	406.0	11.7
0°-180°	3475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	968	966	958	965	963	92
15°	927	930	930	942	942	261
25°	846	858	868	887	888	390
35°	736	755	781	806	813	460
45°	605	636	675	705	714	466
55°	460	501	549	584	596	412
65°	311	356	411	452	464	309
75°	162	209	270	313	330	172
85°	36	89	150	192	208	41
90°	1	50	106	146	160	2
95°	1	48	103	141	155	0
105°	1	41	96	133	145	1
115°	1	36	82	118	131	1
125°	1	30	70	101	113	1
135°	1	24	58	83	93	1
145°	1	17	40	62	70	1
155°	2	12	25	40	46	1
165°	2	8	14	18	24	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565776

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.2	965.2	965.2	965.2	965.2
2.5°	971.8	968.8	958.7	965.2	962.2
5°	967.6	965.8	957.5	965.2	962.8
7.5°	961.1	960.5	953.9	962.8	960.5
10°	952.1	953.3	948.0	957.5	955.7
12.5°	940.8	942.6	940.2	950.9	949.7
15°	927.1	930.1	929.5	942.0	942.0
17.5°	910.5	914.6	917.0	931.3	931.3
20°	890.8	897.4	902.1	917.6	920.0
22.5°	871.2	878.9	886.1	902.1	905.7
25°	846.2	858.1	868.2	887.3	887.9
27.5°	821.8	834.9	848.6	867.0	868.8
30°	795.0	811.7	828.4	846.2	851.6
32.5°	766.5	784.9	803.4	827.2	834.3
35°	735.5	755.2	780.7	805.7	812.9
37.5°	704.6	726.6	756.3	781.9	788.5
40°	673.0	697.4	730.8	756.9	764.7
42.5°	637.9	667.7	703.4	731.4	740.3
45°	604.6	636.1	674.8	705.2	713.5
47.5°	569.5	602.8	644.5	676.6	686.1
50°	532.0	570.1	614.7	646.9	655.8
52.5°	496.9	535.6	582.6	615.9	628.4
55°	460.0	501.1	549.3	583.8	595.7
57.5°	425.5	464.8	516.5	551.0	565.9
60°	386.2	429.6	481.4	518.9	530.8
62.5°	349.3	393.3	446.9	485.6	499.3
65°	311.2	355.9	411.2	451.7	464.2
67.5°	275.5	319.6	376.1	416.0	432.0
70°	236.2	282.7	340.4	381.4	395.1
72.5°	197.6	245.8	304.7	348.7	364.2
75°	161.9	208.9	270.2	313.0	330.3
77.5°	127.3	175.0	236.8	280.9	295.8
80°	92.8	142.8	205.9	249.3	263.6
82.5°	61.3	113.7	176.1	219.6	235.1
85°	35.7	88.7	150.0	191.6	208.3
87.5°	15.5	67.2	125.6	166.6	180.3
90°	0.6	50.0	105.9	145.8	160.1
92.5°	0.6	48.8	103.5	142.8	156.5
95°	0.6	47.6	102.9	141.0	154.7
97.5°	0.6	47.0	101.8	139.8	152.9
100°	0.6	45.2	100.0	137.5	150.6
102.5°	0.6	42.8	98.2	135.1	147.6
105°	0.6	41.1	96.4	132.7	144.6
107.5°	0.6	39.3	93.4	129.7	141.6
110°	0.6	37.5	88.7	126.8	138.7



TEST NUMBER: P565776

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	36.9	85.1	122.6	135.1
115°	1.2	35.7	81.5	117.8	130.9
117.5°	1.2	35.1	78.6	113.1	126.8
120°	1.2	33.3	75.6	108.9	122.0
122.5°	1.2	31.5	72.6	104.7	117.8
125°	1.2	30.3	69.6	100.6	113.1
127.5°	1.2	28.6	67.2	96.4	107.7
130°	1.2	27.4	64.3	91.6	102.9
132.5°	1.2	25.6	61.3	86.9	97.6
135°	1.2	23.8	58.3	82.7	92.8
137.5°	1.2	21.4	54.7	78.0	87.5
140°	1.2	19.6	50.0	73.2	82.1
142.5°	1.2	18.4	45.2	67.8	76.2
145°	1.2	17.3	40.5	62.5	70.2
147.5°	1.2	16.1	36.3	57.1	64.3
150°	1.2	14.3	32.1	52.4	58.3
152.5°	1.8	13.1	28.6	46.4	52.4
155°	1.8	11.9	25.0	39.9	46.4
157.5°	1.8	10.7	21.4	33.3	40.5
160°	1.8	9.5	18.4	27.4	34.5
162.5°	1.8	8.9	16.1	22.6	29.2
165°	1.8	7.7	13.7	18.4	23.8
167.5°	1.8	6.0	11.3	14.3	19.6
170°	1.8	4.8	8.9	10.1	14.9
172.5°	1.8	3.6	6.5	7.1	7.7
175°	1.8	3.0	4.2	4.2	2.4
177.5°	1.8	2.4	2.4	2.4	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)