

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: P565742

Luminaire Tested: **2SNX-44HL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565742  
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-FDL-UNV-L930-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

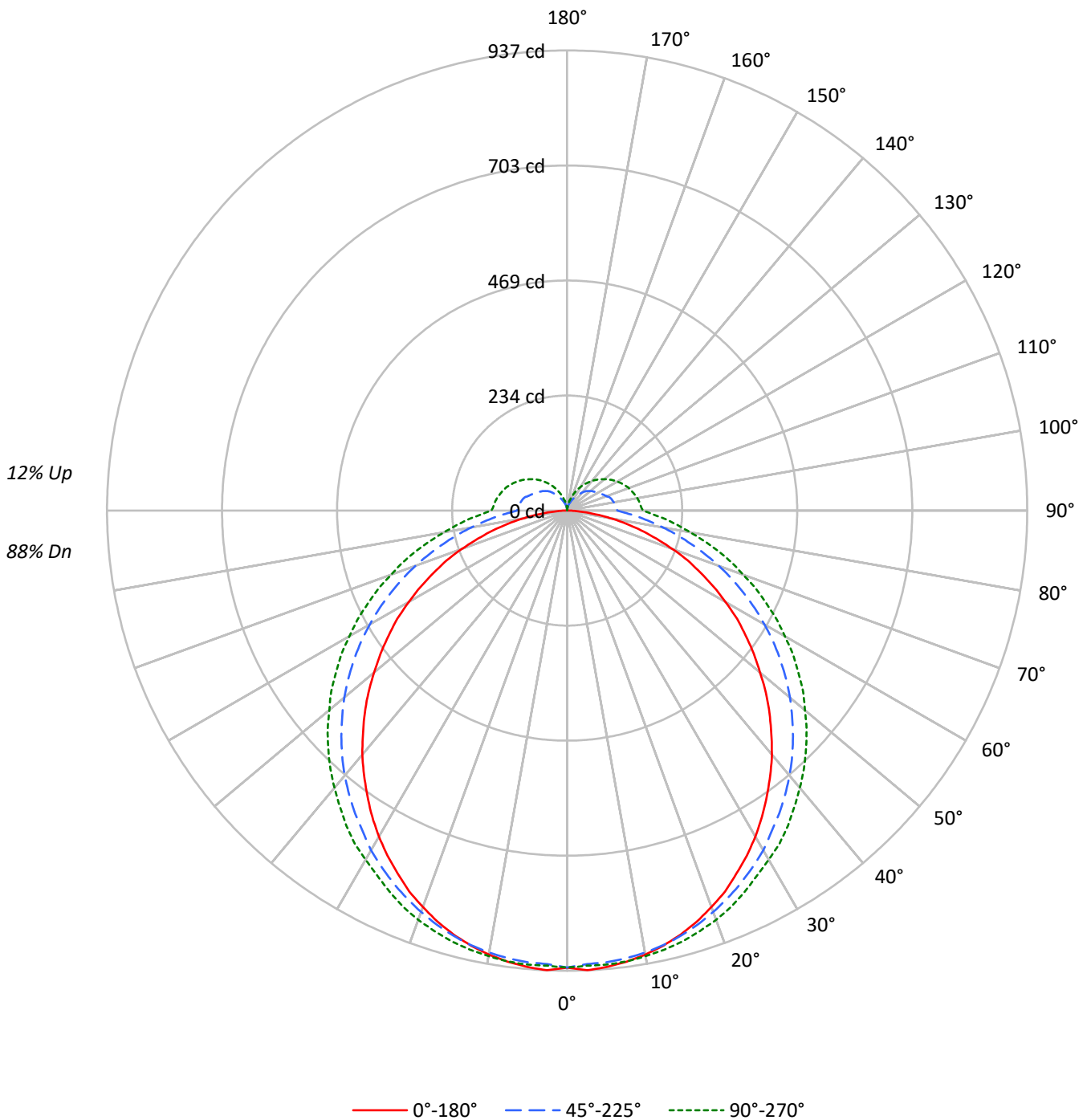
Lumens per Lamp: N/A  
Luminaire Lumens: 3350.0 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: Semi-Direct

Input Watts (W): 31.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P565742

CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565742

CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L930-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°	20032	20032	20032
5°	20121	19717	19770
10°	19992	19521	19565
15°	19810	19286	19374
20°	19527	19007	19156
25°	19192	18724	18864
30°	18825	18440	18615
35°	18368	18101	18441
40°	17920	17816	18175
45°	17384	17486	17949
50°	16762	17139	17665
55°	16165	16710	17408
60°	15471	16250	17096
65°	14628	15722	16793
70°	13556	15138	16445
75°	12040	14490	16328
80°	9923	14047	16194
85°	6863	14199	17073



TEST NUMBER: P565742

CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.3	2.6
10°-20°	254.1	7.6
20°-30°	386.6	11.5
30°-40°	470.0	14.0
40°-50°	497.3	14.8
50°-60°	466.1	13.9
60°-70°	383.5	11.4
70°-80°	265.3	7.9
80°-90°	147.5	4.4
90°-100°	97.2	2.9
100°-110°	87.2	2.6
110°-120°	72.1	2.2
120°-130°	55.8	1.7
130°-140°	39.5	1.2
140°-150°	23.8	0.7
150°-160°	11.4	0.3
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	729.0	21.8
0°-40°	1199.0	35.8
0°-60°	2162.4	64.6
0°-90°	2958.8	88.3
90°-120°	256.5	7.7
90°-150°	375.6	11.2
90°-180°	391.0	11.7
0°-180°	3350.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	933	931	923	930	928	89
15°	894	897	896	908	908	252
25°	816	827	837	855	856	376
35°	709	728	753	777	784	444
45°	583	613	650	680	688	449
55°	444	483	530	563	574	397
65°	300	343	396	435	448	297
75°	156	201	260	302	318	166
85°	34	86	145	185	201	40
90°	1	48	102	141	154	2
95°	1	46	99	136	149	0
105°	1	40	93	128	139	1
115°	1	34	79	114	126	1
125°	1	29	67	97	109	1
135°	1	23	56	80	90	1
145°	1	17	39	60	68	1
155°	2	12	24	38	45	1
165°	2	8	13	18	23	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565742

CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	930.5	930.5	930.5	930.5	930.5
2.5°	936.8	933.9	924.2	930.5	927.6
5°	932.8	931.1	923.0	930.5	928.2
7.5°	926.5	925.9	919.6	928.2	925.9
10°	917.9	919.0	913.9	923.0	921.3
12.5°	907.0	908.7	906.4	916.7	915.6
15°	893.8	896.7	896.1	908.1	908.1
17.5°	877.7	881.7	884.0	897.8	897.8
20°	858.8	865.1	869.7	884.6	886.9
22.5°	839.9	847.3	854.2	869.7	873.1
25°	815.8	827.2	837.0	855.3	855.9
27.5°	792.2	804.9	818.1	835.8	837.6
30°	766.4	782.5	798.6	815.8	820.9
32.5°	738.9	756.7	774.5	797.4	804.3
35°	709.1	728.0	752.7	776.8	783.6
37.5°	679.2	700.5	729.1	753.8	760.1
40°	648.8	672.3	704.5	729.7	737.2
42.5°	615.0	643.7	678.1	705.0	713.7
45°	582.9	613.3	650.5	679.8	687.8
47.5°	549.0	581.1	621.3	652.3	661.4
50°	512.9	549.6	592.6	623.6	632.2
52.5°	479.0	516.3	561.6	593.8	605.8
55°	443.5	483.0	529.5	562.8	574.2
57.5°	410.2	448.0	497.9	531.2	545.6
60°	372.3	414.2	464.1	500.2	511.7
62.5°	336.7	379.2	430.8	468.1	481.3
65°	300.0	343.1	396.4	435.4	447.5
67.5°	265.6	308.1	362.6	401.0	416.5
70°	227.7	272.5	328.1	367.7	380.9
72.5°	190.5	236.9	293.7	336.2	351.1
75°	156.0	201.4	260.4	301.8	318.4
77.5°	122.8	168.7	228.3	270.8	285.1
80°	89.5	137.7	198.5	240.4	254.1
82.5°	59.1	109.6	169.8	211.7	226.6
85°	34.4	85.5	144.6	184.7	200.8
87.5°	14.9	64.8	121.0	160.6	173.8
90°	0.6	48.2	102.1	140.6	154.3
92.5°	0.6	47.0	99.8	137.7	150.9
95°	0.6	45.9	99.2	136.0	149.2
97.5°	0.6	45.3	98.1	134.8	147.4
100°	0.6	43.6	96.4	132.5	145.1
102.5°	0.6	41.3	94.7	130.2	142.3
105°	0.6	39.6	92.9	127.9	139.4
107.5°	0.6	37.9	90.1	125.1	136.5
110°	0.6	36.1	85.5	122.2	133.7



TEST NUMBER: P565742

CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	35.6	82.0	118.2	130.2
115°	1.1	34.4	78.6	113.6	126.2
117.5°	1.1	33.8	75.7	109.0	122.2
120°	1.1	32.1	72.9	105.0	117.6
122.5°	1.1	30.4	70.0	101.0	113.6
125°	1.1	29.3	67.1	97.0	109.0
127.5°	1.1	27.5	64.8	92.9	103.8
130°	1.1	26.4	62.0	88.3	99.2
132.5°	1.1	24.7	59.1	83.8	94.1
135°	1.1	22.9	56.2	79.7	89.5
137.5°	1.1	20.7	52.8	75.2	84.3
140°	1.1	18.9	48.2	70.6	79.2
142.5°	1.1	17.8	43.6	65.4	73.4
145°	1.1	16.6	39.0	60.2	67.7
147.5°	1.1	15.5	35.0	55.1	62.0
150°	1.1	13.8	31.0	50.5	56.2
152.5°	1.7	12.6	27.5	44.7	50.5
155°	1.7	11.5	24.1	38.4	44.7
157.5°	1.7	10.3	20.7	32.1	39.0
160°	1.7	9.2	17.8	26.4	33.3
162.5°	1.7	8.6	15.5	21.8	28.1
165°	1.7	7.5	13.2	17.8	22.9
167.5°	1.7	5.7	10.9	13.8	18.9
170°	1.7	4.6	8.6	9.8	14.3
172.5°	1.7	3.4	6.3	6.9	7.5
175°	1.7	2.9	4.0	4.0	2.3
177.5°	1.7	2.3	2.3	2.3	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)