

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: P565694

Luminaire Tested: **2SNX-40HL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565694
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-40HL-FDL-UNV-L930-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

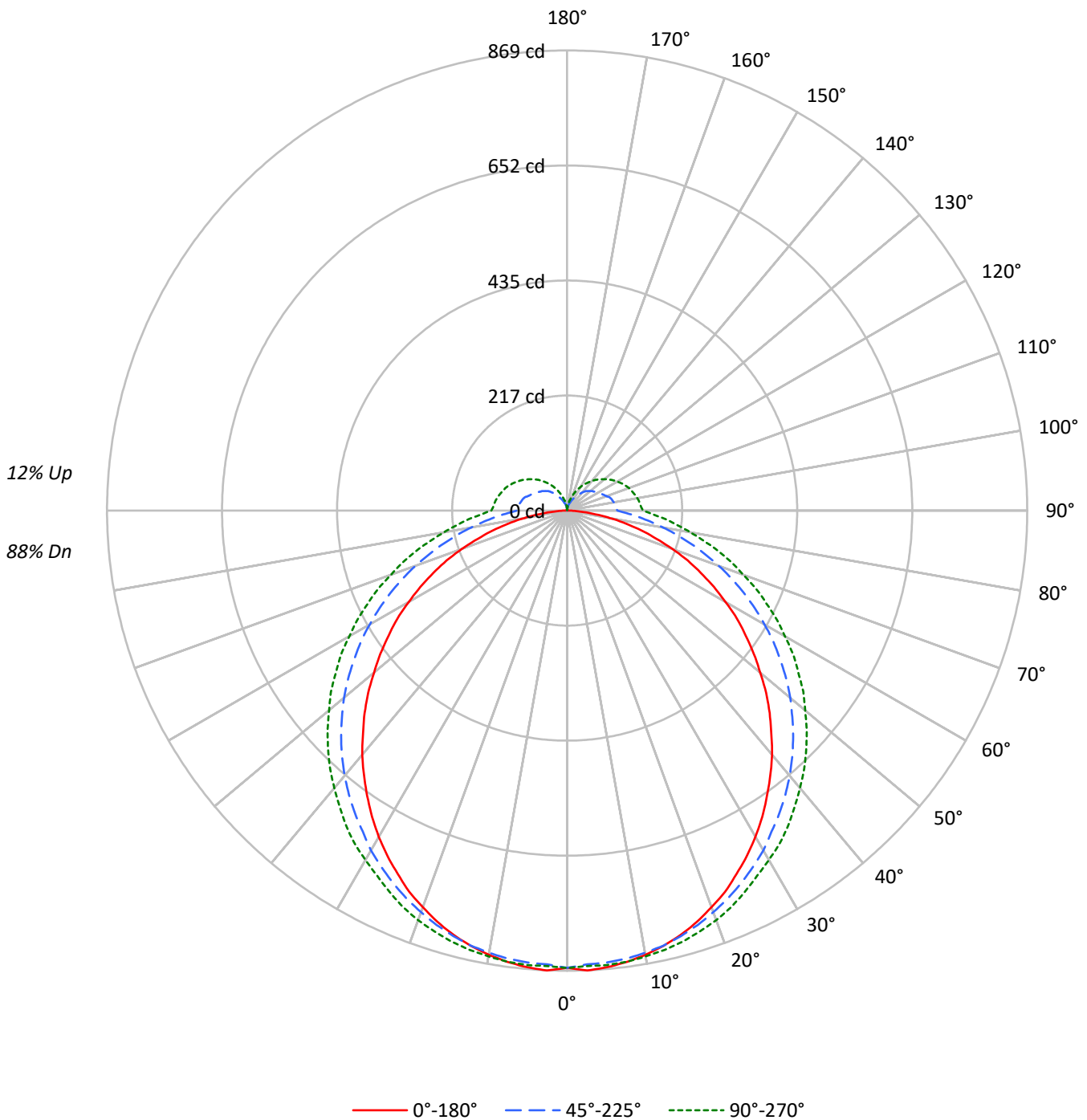
Lumens per Lamp: N/A
Luminaire Lumens: 3109.0 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 27.55
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: P565694

CATALOG NUMBER: 2SNX-40HL-FDL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565694

CATALOG NUMBER: 2SNX-40HL-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°	18591	18591	18591
5°	18674	18299	18347
10°	18552	18116	18157
15°	18385	17898	17981
20°	18121	17639	17778
25°	17811	17377	17507
30°	17471	17112	17277
35°	17047	16798	17116
40°	16630	16534	16866
45°	16132	16228	16659
50°	15556	15907	16393
55°	14998	15507	16156
60°	14358	15081	15867
65°	13575	14592	15585
70°	12586	14049	15262
75°	11175	13449	15153
80°	9214	13035	15034
85°	6364	13178	15840



TEST NUMBER: P565694

CATALOG NUMBER: 2SNX-40HL-FDL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	2.6
10°-20°	235.8	7.6
20°-30°	358.8	11.5
30°-40°	436.2	14.0
40°-50°	461.5	14.8
50°-60°	432.6	13.9
60°-70°	355.9	11.4
70°-80°	246.2	7.9
80°-90°	136.9	4.4
90°-100°	90.2	2.9
100°-110°	80.9	2.6
110°-120°	66.9	2.2
120°-130°	51.8	1.7
130°-140°	36.6	1.2
140°-150°	22.1	0.7
150°-160°	10.6	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	676.6	21.8
0°-40°	1112.8	35.8
0°-60°	2006.9	64.6
0°-90°	2745.9	88.3
90°-120°	238.0	7.7
90°-150°	348.5	11.2
90°-180°	363.0	11.7
0°-180°	3109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	866	864	857	864	861	82
15°	830	832	832	843	843	234
25°	757	768	777	794	794	349
35°	658	676	698	721	727	412
45°	541	569	604	631	638	417
55°	412	448	491	522	533	368
65°	278	318	368	404	415	276
75°	145	187	242	280	296	154
85°	32	79	134	171	186	37
90°	0	45	95	130	143	2
95°	0	43	92	126	138	0
105°	0	37	86	119	129	1
115°	1	32	73	105	117	1
125°	1	27	62	90	101	1
135°	1	21	52	74	83	1
145°	1	15	36	56	63	1
155°	2	11	22	36	42	1
165°	2	7	12	16	21	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565694

CATALOG NUMBER: 2SNX-40HL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.6	863.6	863.6	863.6	863.6
2.5°	869.4	866.8	857.7	863.6	860.9
5°	865.7	864.1	856.6	863.6	861.4
7.5°	859.8	859.3	853.4	861.4	859.3
10°	851.8	852.9	848.1	856.6	855.0
12.5°	841.7	843.3	841.2	850.8	849.7
15°	829.5	832.1	831.6	842.8	842.8
17.5°	814.6	818.3	820.4	833.2	833.2
20°	797.0	802.9	807.1	821.0	823.1
22.5°	779.4	786.4	792.8	807.1	810.3
25°	757.1	767.7	776.8	793.8	794.3
27.5°	735.3	747.0	759.2	775.7	777.3
30°	711.3	726.2	741.1	757.1	761.9
32.5°	685.7	702.2	718.7	740.0	746.4
35°	658.1	675.6	698.5	720.9	727.3
37.5°	630.4	650.1	676.7	699.6	705.4
40°	602.1	624.0	653.8	677.2	684.1
42.5°	570.7	597.4	629.3	654.3	662.3
45°	540.9	569.1	603.7	630.9	638.4
47.5°	509.5	539.3	576.6	605.3	613.9
50°	476.0	510.0	550.0	578.7	586.7
52.5°	444.6	479.2	521.2	551.0	562.2
55°	411.5	448.3	491.4	522.3	532.9
57.5°	380.7	415.8	462.1	493.0	506.3
60°	345.5	384.4	430.7	464.3	474.9
62.5°	312.5	351.9	399.8	434.4	446.7
65°	278.4	318.4	367.9	404.1	415.3
67.5°	246.5	285.9	336.5	372.2	386.5
70°	211.4	252.9	304.5	341.3	353.5
72.5°	176.8	219.9	272.6	312.0	325.8
75°	144.8	186.9	241.7	280.0	295.5
77.5°	113.9	156.5	211.9	251.3	264.6
80°	83.1	127.8	184.2	223.1	235.9
82.5°	54.8	101.7	157.6	196.5	210.3
85°	31.9	79.3	134.2	171.4	186.3
87.5°	13.8	60.2	112.3	149.1	161.3
90°	0.5	44.7	94.8	130.4	143.2
92.5°	0.5	43.7	92.6	127.8	140.0
95°	0.5	42.6	92.1	126.2	138.4
97.5°	0.5	42.1	91.0	125.1	136.8
100°	0.5	40.5	89.4	123.0	134.7
102.5°	0.5	38.3	87.8	120.9	132.0
105°	0.5	36.7	86.2	118.7	129.4
107.5°	0.5	35.1	83.6	116.1	126.7
110°	0.5	33.5	79.3	113.4	124.1



TEST NUMBER: P565694

CATALOG NUMBER: 2SNX-40HL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	33.0	76.1	109.7	120.9
115°	1.1	31.9	72.9	105.4	117.1
117.5°	1.1	31.4	70.3	101.2	113.4
120°	1.1	29.8	67.6	97.4	109.1
122.5°	1.1	28.2	65.0	93.7	105.4
125°	1.1	27.2	62.3	90.0	101.2
127.5°	1.1	25.6	60.2	86.2	96.4
130°	1.1	24.5	57.5	82.0	92.1
132.5°	1.1	22.9	54.8	77.7	87.3
135°	1.1	21.3	52.2	74.0	83.1
137.5°	1.1	19.2	49.0	69.7	78.3
140°	1.1	17.6	44.7	65.5	73.5
142.5°	1.1	16.5	40.5	60.7	68.1
145°	1.1	15.4	36.2	55.9	62.8
147.5°	1.1	14.4	32.5	51.1	57.5
150°	1.1	12.8	28.7	46.9	52.2
152.5°	1.6	11.7	25.6	41.5	46.9
155°	1.6	10.6	22.4	35.7	41.5
157.5°	1.6	9.6	19.2	29.8	36.2
160°	1.6	8.5	16.5	24.5	30.9
162.5°	1.6	8.0	14.4	20.2	26.1
165°	1.6	6.9	12.2	16.5	21.3
167.5°	1.6	5.3	10.1	12.8	17.6
170°	1.6	4.3	8.0	9.1	13.3
172.5°	1.6	3.2	5.9	6.4	6.9
175°	1.6	2.7	3.7	3.7	2.1
177.5°	1.6	2.1	2.1	2.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)