

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: P565743

Luminaire Tested: **2SNX-44HL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565743
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-L935-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

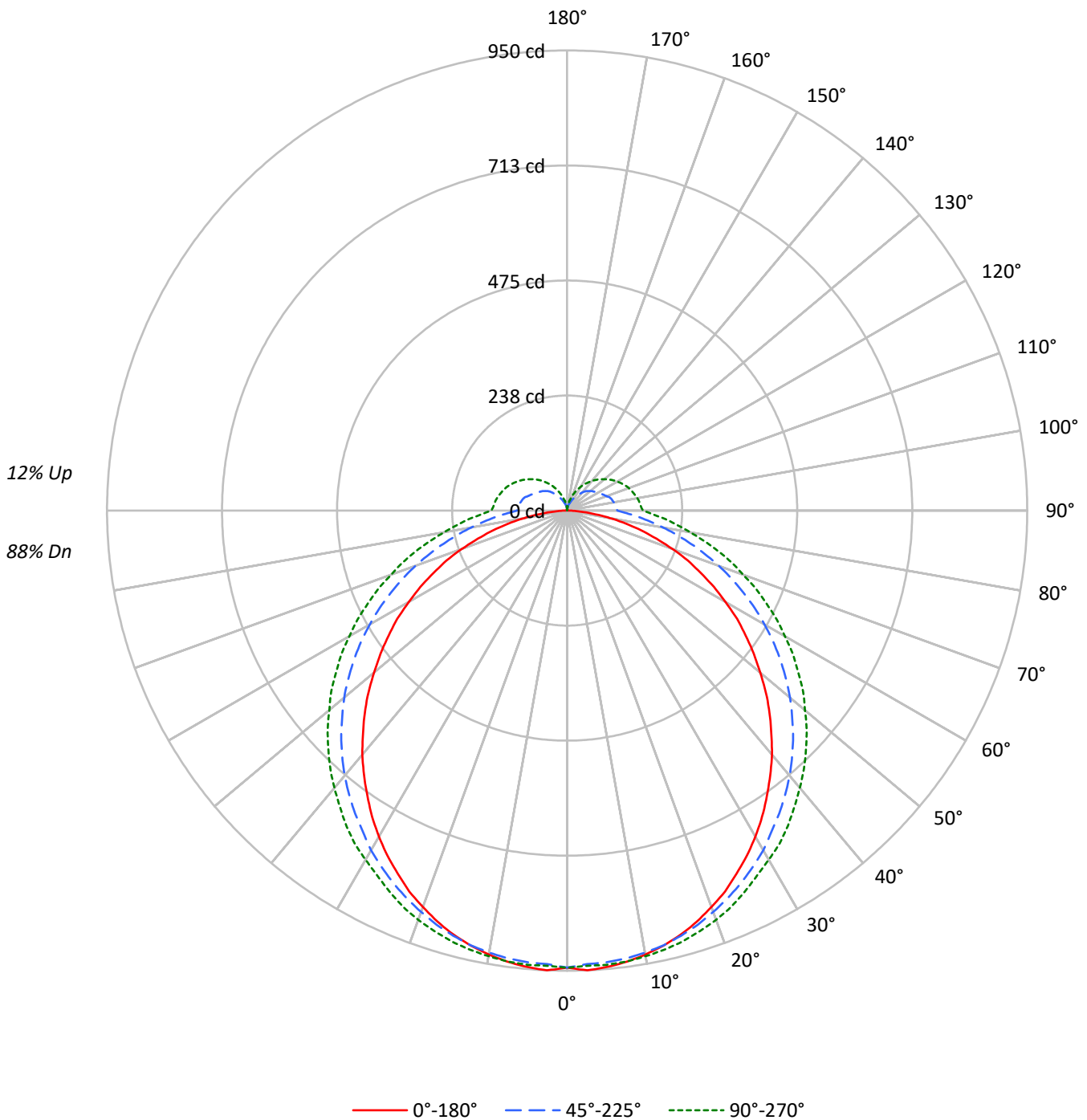
Lumens per Lamp: N/A
Luminaire Lumens: 3397.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 31.1
Input Voltage (V): NR
Input Current (A_{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°	20314	20314	20314
5°	20404	19995	20047
10°	20273	19795	19839
15°	20087	19558	19647
20°	19799	19274	19424
25°	19460	18986	19129
30°	19090	18699	18876
35°	18624	18354	18700
40°	18171	18067	18429
45°	17626	17733	18202
50°	16997	17379	17913
55°	16391	16943	17653
60°	15687	16478	17337
65°	14833	15944	17026
70°	13747	15350	16678
75°	12209	14696	16558
80°	10056	14245	16424
85°	6962	14395	17311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	2.6
10°-20°	257.7	7.6
20°-30°	392.0	11.5
30°-40°	476.6	14.0
40°-50°	504.3	14.8
50°-60°	472.7	13.9
60°-70°	388.8	11.4
70°-80°	269.0	7.9
80°-90°	149.6	4.4
90°-100°	98.6	2.9
100°-110°	88.4	2.6
110°-120°	73.2	2.2
120°-130°	56.6	1.7
130°-140°	40.0	1.2
140°-150°	24.2	0.7
150°-160°	11.6	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	739.2	21.8
0°-40°	1215.9	35.8
0°-60°	2192.8	64.6
0°-90°	3000.3	88.3
90°-120°	260.1	7.7
90°-150°	380.9	11.2
90°-180°	397.0	11.7
0°-180°	3397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	946	944	936	944	941	90
15°	906	909	909	921	921	255
25°	827	839	849	867	868	381
35°	719	738	763	788	795	450
45°	591	622	660	689	698	456
55°	450	490	537	571	582	403
65°	304	348	402	442	454	302
75°	158	204	264	306	323	168
85°	35	87	147	187	204	40
90°	1	49	104	142	156	2
95°	1	46	101	138	151	0
105°	1	40	94	130	141	1
115°	1	35	80	115	128	1
125°	1	30	68	98	110	1
135°	1	23	57	81	91	1
145°	1	17	40	61	69	1
155°	2	12	24	39	45	1
165°	2	8	13	18	23	0
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°	943.6	943.6	943.6	943.6	943.6
2.5°	950.0	947.0	937.2	943.6	940.6
5°	945.9	944.1	936.0	943.6	941.2
7.5°	939.5	938.9	932.5	941.2	938.9
10°	930.8	931.9	926.7	936.0	934.2
12.5°	919.7	921.4	919.1	929.6	928.4
15°	906.3	909.2	908.7	920.9	920.9
17.5°	890.0	894.1	896.4	910.4	910.4
20°	870.8	877.2	881.9	897.0	899.3
22.5°	851.6	859.2	866.2	881.9	885.4
25°	827.2	838.8	848.7	867.3	867.9
27.5°	803.4	816.2	829.5	847.6	849.3
30°	777.2	793.5	809.8	827.2	832.4
32.5°	749.3	767.3	785.3	808.6	815.6
35°	719.0	738.2	763.2	787.7	794.6
37.5°	688.8	710.3	739.4	764.4	770.8
40°	657.9	681.8	714.4	740.0	747.5
42.5°	623.6	652.7	687.6	714.9	723.7
45°	591.0	621.9	659.7	689.3	697.5
47.5°	556.7	589.3	630.0	661.4	670.7
50°	520.1	557.3	600.9	632.3	641.1
52.5°	485.7	523.6	569.5	602.1	614.3
55°	449.7	489.8	536.9	570.7	582.3
57.5°	415.9	454.3	504.9	538.7	553.2
60°	377.5	420.0	470.6	507.3	518.9
62.5°	341.5	384.5	436.9	474.7	488.1
65°	304.2	347.9	402.0	441.5	453.7
67.5°	269.3	312.4	367.6	406.6	422.3
70°	230.9	276.3	332.7	372.9	386.3
72.5°	193.1	240.3	297.8	340.9	356.0
75°	158.2	204.2	264.1	306.0	322.9
77.5°	124.5	171.0	231.5	274.6	289.1
80°	90.7	139.6	201.3	243.7	257.7
82.5°	59.9	111.1	172.2	214.7	229.8
85°	34.9	86.7	146.6	187.3	203.6
87.5°	15.1	65.7	122.7	162.9	176.3
90°	0.6	48.9	103.5	142.5	156.5
92.5°	0.6	47.7	101.2	139.6	153.0
95°	0.6	46.5	100.6	137.9	151.2
97.5°	0.6	46.0	99.5	136.7	149.5
100°	0.6	44.2	97.7	134.4	147.2
102.5°	0.6	41.9	96.0	132.1	144.3
105°	0.6	40.1	94.2	129.7	141.4
107.5°	0.6	38.4	91.3	126.8	138.5
110°	0.6	36.6	86.7	123.9	135.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	36.1	83.2	119.8	132.1
115°	1.2	34.9	79.7	115.2	128.0
117.5°	1.2	34.3	76.8	110.5	123.9
120°	1.2	32.6	73.9	106.5	119.3
122.5°	1.2	30.8	71.0	102.4	115.2
125°	1.2	29.7	68.1	98.3	110.5
127.5°	1.2	27.9	65.7	94.2	105.3
130°	1.2	26.8	62.8	89.6	100.6
132.5°	1.2	25.0	59.9	84.9	95.4
135°	1.2	23.3	57.0	80.9	90.7
137.5°	1.2	20.9	53.5	76.2	85.5
140°	1.2	19.2	48.9	71.6	80.3
142.5°	1.2	18.0	44.2	66.3	74.5
145°	1.2	16.9	39.6	61.1	68.6
147.5°	1.2	15.7	35.5	55.8	62.8
150°	1.2	14.0	31.4	51.2	57.0
152.5°	1.7	12.8	27.9	45.4	51.2
155°	1.7	11.6	24.4	39.0	45.4
157.5°	1.7	10.5	20.9	32.6	39.6
160°	1.7	9.3	18.0	26.8	33.7
162.5°	1.7	8.7	15.7	22.1	28.5
165°	1.7	7.6	13.4	18.0	23.3
167.5°	1.7	5.8	11.1	14.0	19.2
170°	1.7	4.7	8.7	9.9	14.5
172.5°	1.7	3.5	6.4	7.0	7.6
175°	1.7	2.9	4.1	4.1	2.3
177.5°	1.7	2.3	2.3	2.3	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)