

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: P565739

Luminaire Tested: **2SNX-44HL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565739
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-L835-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

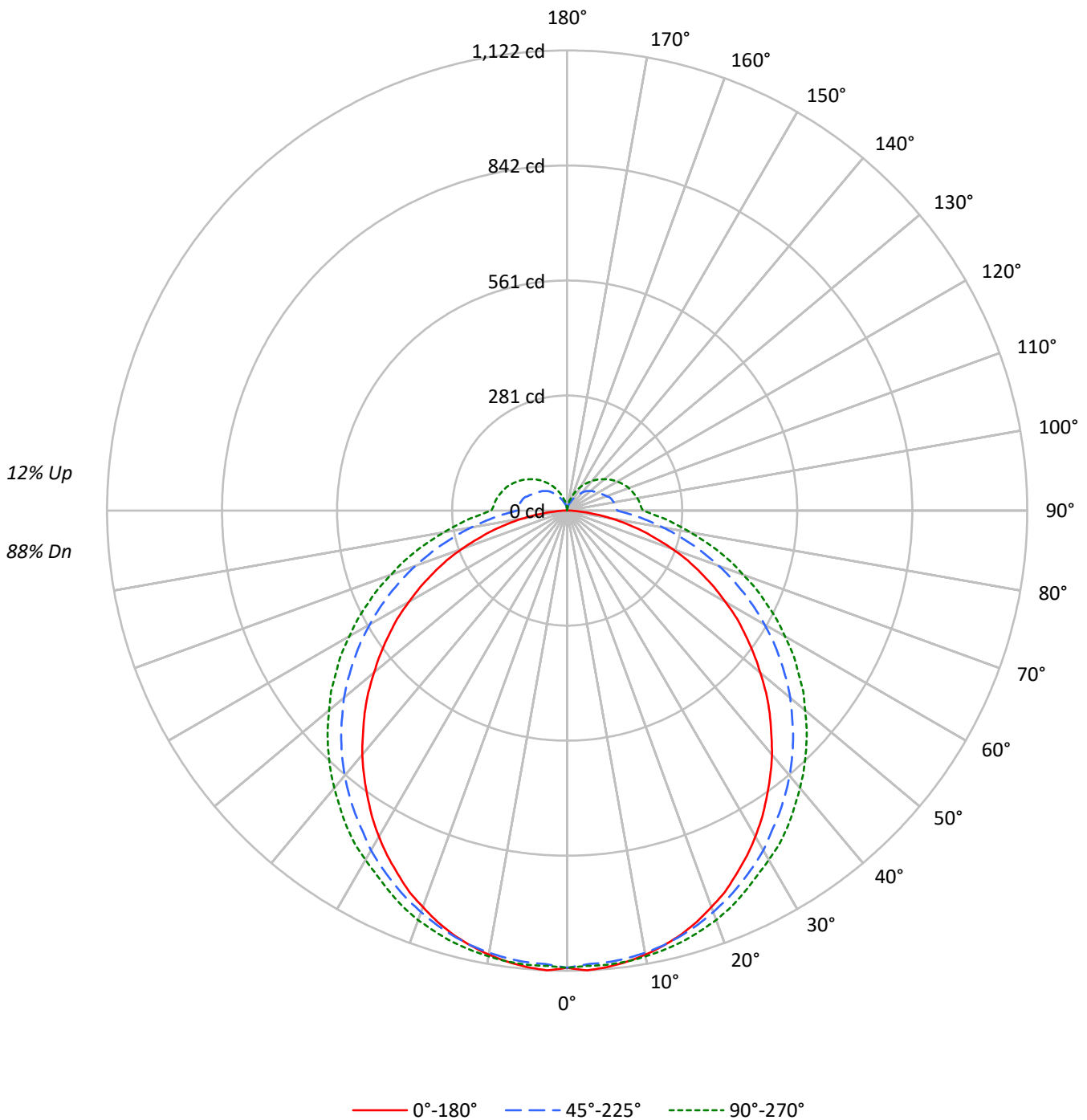
Lumens per Lamp: N/A
Luminaire Lumens: 4013.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

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°	23997	23997	23997
5°	24103	23620	23683
10°	23947	23383	23438
15°	23730	23102	23210
20°	23392	22768	22947
25°	22988	22428	22598
30°	22551	22089	22300
35°	22002	21682	22091
40°	21466	21342	21772
45°	20823	20948	21503
50°	20079	20531	21160
55°	19361	20017	20855
60°	18534	19468	20481
65°	17525	18836	20114
70°	16241	18136	19700
75°	14424	17361	19558
80°	11886	16828	19400
85°	8219	17007	20449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	2.6
10°-20°	304.4	7.6
20°-30°	463.1	11.5
30°-40°	563.0	14.0
40°-50°	595.7	14.8
50°-60°	558.4	13.9
60°-70°	459.4	11.4
70°-80°	317.8	7.9
80°-90°	176.7	4.4
90°-100°	116.4	2.9
100°-110°	104.4	2.6
110°-120°	86.4	2.2
120°-130°	66.8	1.7
130°-140°	47.3	1.2
140°-150°	28.5	0.7
150°-160°	13.7	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	873.3	21.8
0°-40°	1436.3	35.8
0°-60°	2590.4	64.6
0°-90°	3544.4	88.3
90°-120°	307.3	7.7
90°-150°	449.9	11.2
90°-180°	469.0	11.7
0°-180°	4013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1117	1115	1106	1115	1112	106
15°	1071	1074	1073	1088	1088	302
25°	977	991	1003	1025	1025	450
35°	849	872	902	930	939	532
45°	698	735	779	814	824	538
55°	531	579	634	674	688	476
65°	359	411	475	522	536	356
75°	187	241	312	362	381	198
85°	41	102	173	221	240	47
90°	1	58	122	168	185	3
95°	1	55	119	163	179	1
105°	1	47	111	153	167	1
115°	1	41	94	136	151	1
125°	1	35	80	116	131	1
135°	1	28	67	96	107	1
145°	1	20	47	72	81	1
155°	2	14	29	46	54	1
165°	2	9	16	21	28	1
175°	2	3	5	5	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.7	1114.7	1114.7	1114.7	1114.7
2.5°	1122.2	1118.8	1107.1	1114.7	1111.2
5°	1117.4	1115.3	1105.7	1114.7	1111.9
7.5°	1109.8	1109.2	1101.6	1111.9	1109.2
10°	1099.5	1100.9	1094.7	1105.7	1103.7
12.5°	1086.5	1088.5	1085.8	1098.2	1096.8
15°	1070.7	1074.1	1073.4	1087.9	1087.9
17.5°	1051.4	1056.2	1059.0	1075.5	1075.5
20°	1028.8	1036.3	1041.8	1059.7	1062.4
22.5°	1006.1	1015.0	1023.3	1041.8	1045.9
25°	977.2	991.0	1002.6	1024.6	1025.3
27.5°	949.0	964.2	980.0	1001.3	1003.3
30°	918.1	937.4	956.6	977.2	983.4
32.5°	885.1	906.4	927.7	955.2	963.5
35°	849.4	872.1	901.6	930.5	938.7
37.5°	813.7	839.1	873.4	903.0	910.6
40°	777.2	805.4	843.9	874.1	883.1
42.5°	736.7	771.1	812.3	844.6	854.9
45°	698.2	734.6	779.3	814.3	824.0
47.5°	657.7	696.1	744.2	781.4	792.4
50°	614.4	658.3	709.9	747.0	757.3
52.5°	573.8	618.5	672.8	711.3	725.7
55°	531.2	578.6	634.3	674.2	687.9
57.5°	491.4	536.7	596.5	636.4	653.5
60°	446.0	496.2	556.0	599.2	613.0
62.5°	403.4	454.2	516.1	560.8	576.6
65°	359.4	411.0	474.9	521.6	536.0
67.5°	318.2	369.0	434.3	480.4	498.9
70°	272.8	326.4	393.1	440.5	456.3
72.5°	228.2	283.8	351.9	402.7	420.6
75°	186.9	241.2	312.0	361.5	381.4
77.5°	147.1	202.0	273.5	324.4	341.5
80°	107.2	164.9	237.8	287.9	304.4
82.5°	70.8	131.3	203.4	253.6	271.4
85°	41.2	102.4	173.2	221.3	240.5
87.5°	17.9	77.7	145.0	192.4	208.2
90°	0.7	57.7	122.3	168.4	184.9
92.5°	0.7	56.4	119.6	164.9	180.7
95°	0.7	55.0	118.9	162.9	178.7
97.5°	0.7	54.3	117.5	161.5	176.6
100°	0.7	52.2	115.5	158.7	173.9
102.5°	0.7	49.5	113.4	156.0	170.4
105°	0.7	47.4	111.3	153.2	167.0
107.5°	0.7	45.4	107.9	149.8	163.6
110°	0.7	43.3	102.4	146.4	160.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	42.6	98.3	141.6	156.0
115°	1.4	41.2	94.1	136.1	151.2
117.5°	1.4	40.5	90.7	130.6	146.4
120°	1.4	38.5	87.3	125.8	140.9
122.5°	1.4	36.4	83.8	120.9	136.1
125°	1.4	35.0	80.4	116.1	130.6
127.5°	1.4	33.0	77.7	111.3	124.4
130°	1.4	31.6	74.2	105.8	118.9
132.5°	1.4	29.6	70.8	100.3	112.7
135°	1.4	27.5	67.3	95.5	107.2
137.5°	1.4	24.7	63.2	90.0	101.0
140°	1.4	22.7	57.7	84.5	94.8
142.5°	1.4	21.3	52.2	78.3	88.0
145°	1.4	19.9	46.7	72.2	81.1
147.5°	1.4	18.6	41.9	66.0	74.2
150°	1.4	16.5	37.1	60.5	67.3
152.5°	2.1	15.1	33.0	53.6	60.5
155°	2.1	13.7	28.9	46.0	53.6
157.5°	2.1	12.4	24.7	38.5	46.7
160°	2.1	11.0	21.3	31.6	39.9
162.5°	2.1	10.3	18.6	26.1	33.7
165°	2.1	8.9	15.8	21.3	27.5
167.5°	2.1	6.9	13.1	16.5	22.7
170°	2.1	5.5	10.3	11.7	17.2
172.5°	2.1	4.1	7.6	8.2	8.9
175°	2.1	3.4	4.8	4.8	2.7
177.5°	2.1	2.7	2.7	2.7	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)