

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: P565775

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565775
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-L935-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

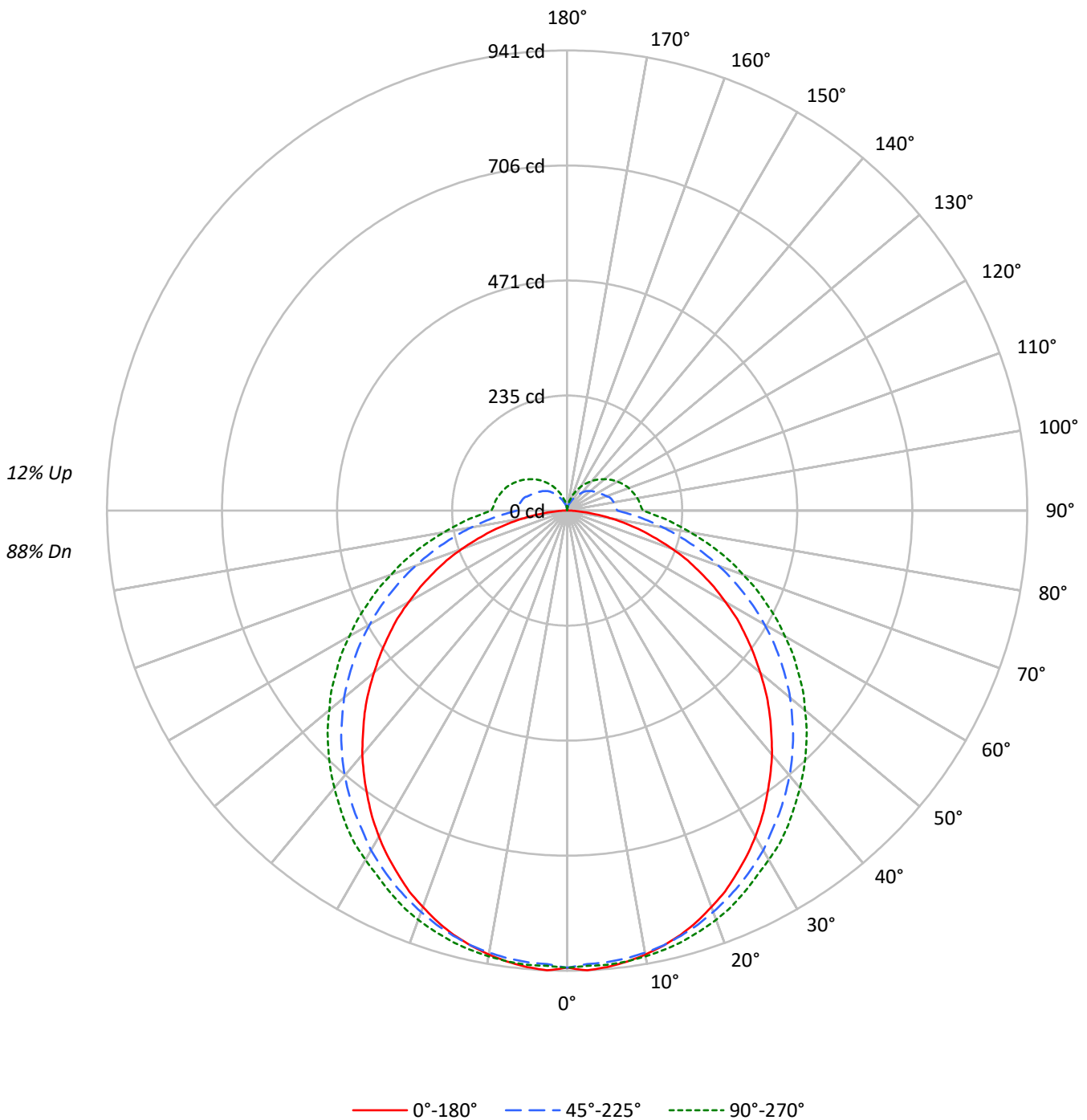
Lumens per Lamp: N/A
Luminaire Lumens: 3365.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 31.1
Input Voltage (V): NR
Input Current (Ain): 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°	20122	20122	20122
5°	20175	19584	19580
10°	20008	19174	19110
15°	19789	18735	18670
20°	19468	18259	18210
25°	19094	17780	17685
30°	18691	17301	17201
35°	18189	16767	16784
40°	17698	16278	16276
45°	17115	15739	15792
50°	16442	15164	15238
55°	15782	14496	14686
60°	15023	13772	14051
65°	14098	12950	13375
70°	12927	12022	12594
75°	11286	10958	11880
80°	9022	9897	10979
85°	5797	8924	10391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	2.6
10°-20°	255.2	7.6
20°-30°	388.3	11.5
30°-40°	472.1	14.0
40°-50°	499.5	14.8
50°-60°	468.2	13.9
60°-70°	385.2	11.4
70°-80°	266.5	7.9
80°-90°	148.2	4.4
90°-100°	97.6	2.9
100°-110°	87.6	2.6
110°-120°	72.5	2.2
120°-130°	56.0	1.7
130°-140°	39.7	1.2
140°-150°	23.9	0.7
150°-160°	11.5	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	732.3	21.8
0°-40°	1204.4	35.8
0°-60°	2172.1	64.5
0°-90°	2972.0	88.3
90°-120°	257.7	7.7
90°-150°	377.3	11.2
90°-180°	393.0	11.7
0°-180°	3365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	937	935	927	935	932	89
15°	898	901	900	912	912	253
25°	819	831	841	859	860	378
35°	712	731	756	780	787	446
45°	586	616	654	683	691	451
55°	445	485	532	565	577	399
65°	301	345	398	437	450	299
75°	157	202	262	303	320	166
85°	35	86	145	186	202	40
90°	1	48	103	141	155	2
95°	1	46	100	137	150	0
105°	1	40	93	128	140	1
115°	1	35	79	114	127	1
125°	1	29	67	97	110	1
135°	1	23	56	80	90	1
145°	1	17	39	60	68	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°	934.7	934.7	934.7	934.7	934.7
2.5°	941.0	938.1	928.3	934.7	931.8
5°	937.0	935.2	927.2	934.7	932.4
7.5°	930.6	930.1	923.7	932.4	930.1
10°	922.0	923.1	918.0	927.2	925.4
12.5°	911.0	912.8	910.5	920.8	919.7
15°	897.8	900.7	900.1	912.2	912.2
17.5°	881.7	885.7	888.0	901.8	901.8
20°	862.6	869.0	873.6	888.6	890.9
22.5°	843.6	851.1	858.0	873.6	877.0
25°	819.4	830.9	840.7	859.2	859.8
27.5°	795.8	808.5	821.7	839.6	841.3
30°	769.9	786.0	802.1	819.4	824.6
32.5°	742.2	760.1	777.9	801.0	807.9
35°	712.2	731.3	756.0	780.2	787.1
37.5°	682.3	703.6	732.4	757.2	763.5
40°	651.7	675.4	707.6	733.0	740.5
42.5°	617.7	646.5	681.1	708.2	716.8
45°	585.5	616.0	653.5	682.8	690.9
47.5°	551.5	583.7	624.1	655.2	664.4
50°	515.2	552.0	595.3	626.4	635.0
52.5°	481.2	518.6	564.1	596.4	608.5
55°	445.4	485.2	531.9	565.3	576.8
57.5°	412.0	450.0	500.2	533.6	548.0
60°	374.0	416.0	466.2	502.5	514.0
62.5°	338.3	380.9	432.8	470.2	483.5
65°	301.4	344.6	398.2	437.4	449.5
67.5°	266.8	309.4	364.2	402.8	418.4
70°	228.8	273.7	329.6	369.4	382.6
72.5°	191.3	238.0	295.0	337.7	352.7
75°	156.7	202.3	261.6	303.1	319.8
77.5°	123.3	169.4	229.3	272.0	286.4
80°	89.9	138.3	199.4	241.4	255.3
82.5°	59.4	110.1	170.6	212.6	227.6
85°	34.6	85.9	145.2	185.6	201.7
87.5°	15.0	65.1	121.6	161.3	174.6
90°	0.6	48.4	102.6	141.2	155.0
92.5°	0.6	47.3	100.3	138.3	151.6
95°	0.6	46.1	99.7	136.6	149.8
97.5°	0.6	45.5	98.5	135.4	148.1
100°	0.6	43.8	96.8	133.1	145.8
102.5°	0.6	41.5	95.1	130.8	142.9
105°	0.6	39.8	93.4	128.5	140.0
107.5°	0.6	38.0	90.5	125.6	137.1
110°	0.6	36.3	85.9	122.7	134.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	35.7	82.4	118.7	130.8
115°	1.2	34.6	78.9	114.1	126.8
117.5°	1.2	34.0	76.1	109.5	122.7
120°	1.2	32.3	73.2	105.5	118.1
122.5°	1.2	30.5	70.3	101.4	114.1
125°	1.2	29.4	67.4	97.4	109.5
127.5°	1.2	27.7	65.1	93.4	104.3
130°	1.2	26.5	62.2	88.7	99.7
132.5°	1.2	24.8	59.4	84.1	94.5
135°	1.2	23.0	56.5	80.1	89.9
137.5°	1.2	20.7	53.0	75.5	84.7
140°	1.2	19.0	48.4	70.9	79.5
142.5°	1.2	17.9	43.8	65.7	73.8
145°	1.2	16.7	39.2	60.5	68.0
147.5°	1.2	15.6	35.2	55.3	62.2
150°	1.2	13.8	31.1	50.7	56.5
152.5°	1.7	12.7	27.7	44.9	50.7
155°	1.7	11.5	24.2	38.6	44.9
157.5°	1.7	10.4	20.7	32.3	39.2
160°	1.7	9.2	17.9	26.5	33.4
162.5°	1.7	8.6	15.6	21.9	28.2
165°	1.7	7.5	13.3	17.9	23.0
167.5°	1.7	5.8	10.9	13.8	19.0
170°	1.7	4.6	8.6	9.8	14.4
172.5°	1.7	3.5	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	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)