

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: P565759

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

Issue Date: 9/15/2022



**Test Information**

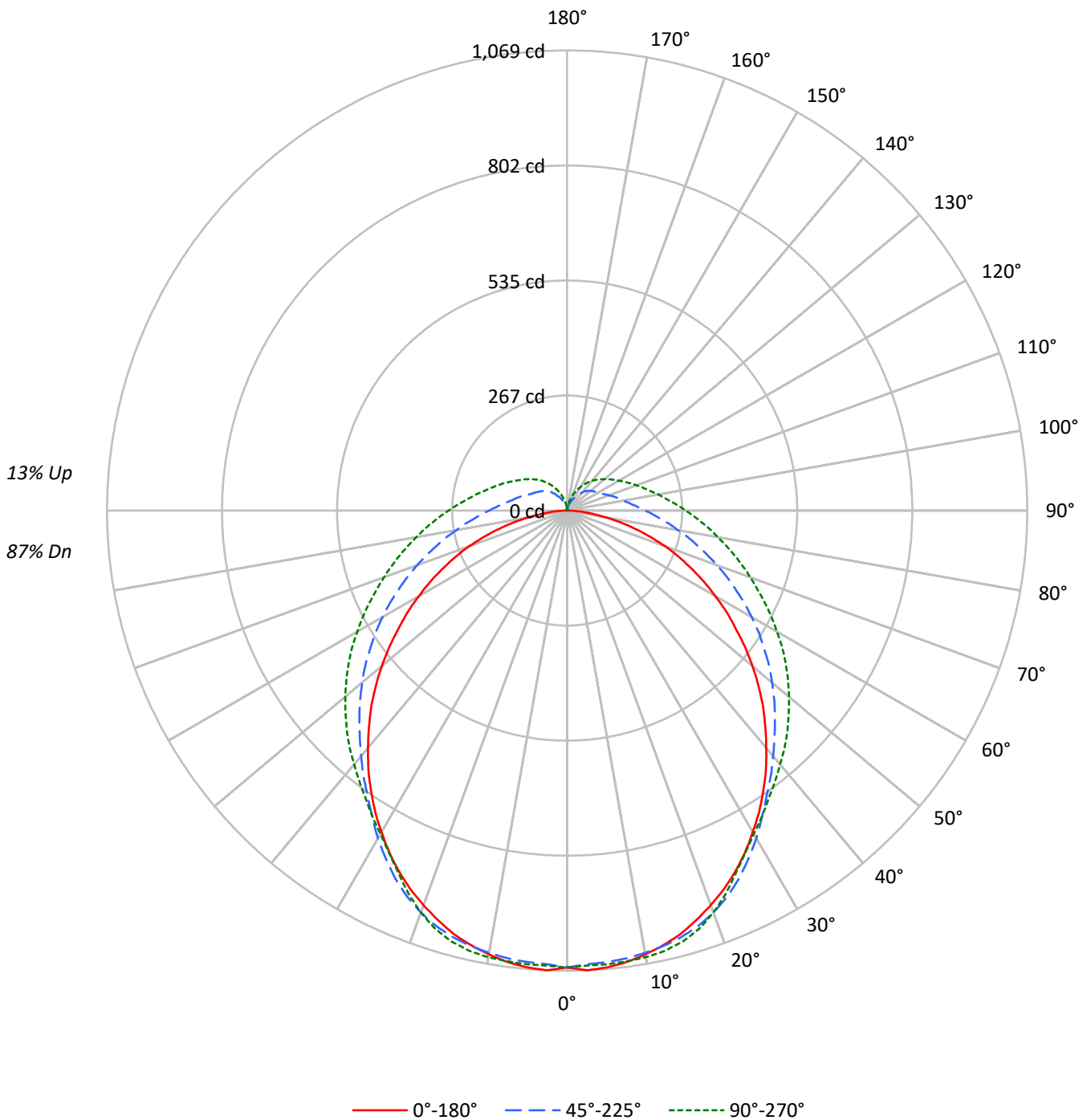
Test Method: LM-79-08  
Report Number: P565759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-44HL-LN-UNV-L935-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3831.0 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
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

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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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	22847	22847	22847
5°	22852	21742	21603
10°	22556	20852	20607
15°	22202	20012	19601
20°	21690	19082	18320
25°	21148	17972	16817
30°	20456	16736	15564
35°	19724	15485	14627
40°	18901	14475	13869
45°	18087	13580	13216
50°	17137	12756	12558
55°	16032	11930	11913
60°	14956	11106	11240
65°	13751	10279	10621
70°	12374	9501	10063
75°	10342	8741	9603
80°	7762	8077	9213
85°	4681	7587	8989



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.8	2.6
10°-20°	289.9	7.6
20°-30°	431.6	11.3
30°-40°	509.3	13.3
40°-50°	531.1	13.9
50°-60°	499.1	13.0
60°-70°	421.5	11.0
70°-80°	318.5	8.3
80°-90°	219.5	5.7
90°-100°	153.6	4.0
100°-110°	114.7	3.0
110°-120°	86.4	2.3
120°-130°	64.4	1.7
130°-140°	45.2	1.2
140°-150°	27.3	0.7
150°-160°	13.1	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	822.3	21.5
0°-40°	1331.6	34.8
0°-60°	2361.9	61.7
0°-90°	3321.4	86.7
90°-120°	354.7	9.3
90°-150°	491.7	12.8
90°-180°	510.0	13.3
0°-180°	3831.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1065	1063	1053	1061	1058	101
15°	1018	1023	1026	1038	1037	287
25°	925	944	944	935	928	426
35°	794	824	808	814	816	497
45°	644	676	683	710	724	496
55°	478	519	559	603	620	429
65°	318	369	431	488	507	316
75°	163	226	313	379	403	174
85°	37	116	217	288	314	42
90°	1	82	181	251	275	3
95°	1	64	153	220	242	0
105°	1	46	118	172	191	1
115°	1	40	92	136	154	1
125°	2	34	77	112	126	2
135°	2	26	64	91	102	1
145°	3	19	45	70	78	1
155°	3	12	27	44	51	1
165°	3	8	14	20	26	1
175°	3	3	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1069.1	1066.5	1054.8	1061.3	1058.0
5°	1065.2	1063.2	1052.8	1060.6	1058.0
7.5°	1058.0	1057.4	1049.6	1058.7	1056.1
10°	1047.0	1048.9	1043.1	1055.4	1053.5
12.5°	1034.0	1037.9	1035.9	1049.6	1047.6
15°	1018.4	1022.9	1025.5	1038.5	1036.6
17.5°	997.6	1006.1	1011.9	1022.3	1019.0
20°	975.5	987.2	993.7	998.9	993.7
22.5°	951.5	967.1	971.0	968.4	963.2
25°	924.9	943.7	943.7	935.3	928.1
27.5°	895.0	918.4	911.9	902.1	896.3
30°	862.5	890.4	879.4	868.4	867.1
32.5°	830.0	859.3	843.0	840.4	842.4
35°	794.3	823.5	808.0	814.5	816.4
37.5°	758.6	787.8	777.4	787.2	793.0
40°	719.6	750.8	744.3	761.8	769.6
42.5°	681.3	713.8	713.1	735.9	747.6
45°	643.6	675.5	682.6	710.5	723.5
47.5°	602.7	635.2	652.7	685.2	698.2
50°	562.5	597.5	621.6	657.9	672.9
52.5°	520.9	557.9	591.0	631.3	646.9
55°	478.0	518.9	558.6	603.4	619.6
57.5°	439.7	481.3	528.0	574.1	593.0
60°	397.5	443.6	494.9	543.6	562.5
62.5°	359.2	406.6	463.7	515.0	535.2
65°	318.2	368.9	431.3	487.8	506.6
67.5°	280.6	332.5	400.7	457.9	478.7
70°	241.6	296.8	370.9	431.3	452.7
72.5°	201.3	259.8	341.0	405.3	427.4
75°	163.0	226.0	313.1	378.6	402.7
77.5°	127.3	193.5	287.7	355.3	378.6
80°	92.2	164.3	261.1	331.2	355.3
82.5°	61.1	139.0	239.7	309.8	335.1
85°	37.0	116.3	216.9	288.4	313.7
87.5°	16.9	97.4	198.7	269.5	294.2
90°	0.6	82.5	181.2	250.7	275.4
92.5°	0.6	72.1	166.9	234.5	258.5
95°	0.6	64.3	153.3	219.5	242.3
97.5°	0.6	59.1	142.9	205.2	227.3
100°	0.6	53.9	132.5	192.2	215.0
102.5°	1.3	49.4	124.7	180.6	202.0
105°	1.3	46.1	118.2	171.5	190.9
107.5°	1.3	44.2	111.1	162.4	180.6
110°	1.3	42.2	103.3	153.3	171.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	40.9	97.4	145.5	163.0
115°	1.3	39.6	91.6	136.4	153.9
117.5°	1.3	39.0	88.3	129.2	146.1
120°	1.9	37.0	84.4	122.8	139.0
122.5°	1.9	35.1	80.5	117.6	131.8
125°	1.9	33.8	77.3	111.7	126.0
127.5°	1.9	31.8	74.0	106.5	119.5
130°	1.9	29.9	71.4	101.3	113.7
132.5°	1.9	27.9	68.2	96.1	107.8
135°	1.9	26.0	64.3	90.9	102.0
137.5°	1.9	24.0	60.4	85.7	96.1
140°	1.9	22.1	55.2	80.5	90.3
142.5°	1.9	20.1	50.0	75.3	83.8
145°	2.6	18.8	44.8	69.5	77.9
147.5°	2.6	16.9	39.6	63.6	70.8
150°	2.6	15.6	35.7	57.8	64.3
152.5°	2.6	13.6	31.8	51.3	57.8
155°	2.6	12.3	27.3	44.2	51.3
157.5°	2.6	11.0	23.4	37.0	44.8
160°	2.6	10.4	20.1	30.5	38.3
162.5°	3.2	9.1	16.9	24.7	31.8
165°	3.2	7.8	14.3	19.5	26.0
167.5°	3.2	6.5	11.7	14.9	20.1
170°	3.2	5.2	9.1	10.4	15.6
172.5°	3.2	3.9	6.5	7.1	7.8
175°	3.2	3.2	3.9	3.9	1.9
177.5°	3.2	3.2	2.6	1.9	0.6
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)