

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: P565833

Luminaire Tested: **2SNX-47HL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

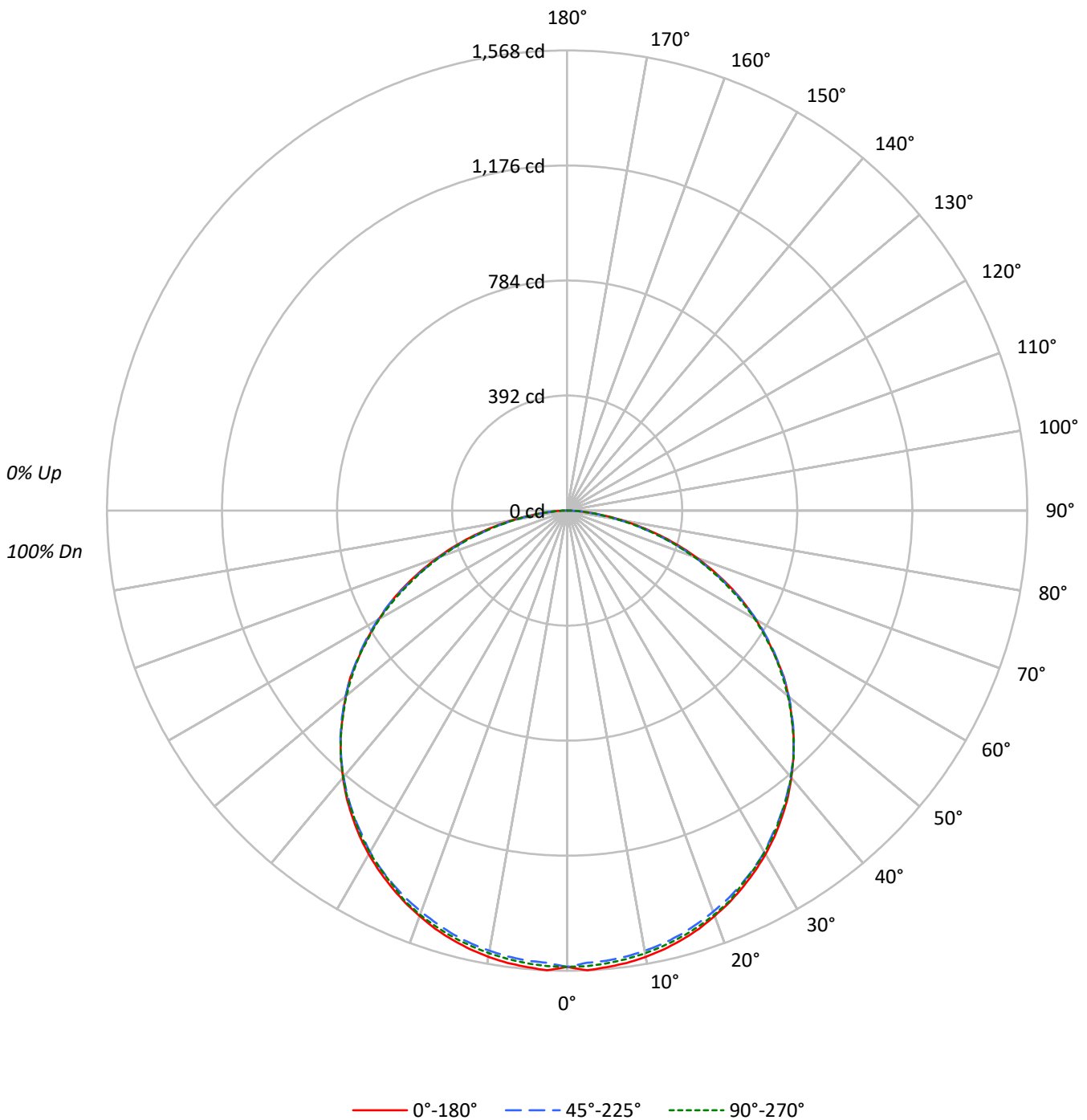
Test Method: LM-79-08  
Report Number: P565833  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-47HL-UNV-L950-CD  
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4654.0 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 33.7  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	33469	33469	33469
5°	33740	33271	33470
10°	33756	33297	33483
15°	33741	33331	33522
20°	33675	33326	33569
25°	33632	33366	33430
30°	33611	33397	33432
35°	33529	33321	33371
40°	33394	33318	33338
45°	33212	33273	33212
50°	32989	33053	32878
55°	32473	32646	32473
60°	31926	32068	31784
65°	31134	30767	30431
70°	29653	28992	28910
75°	27365	26051	26159
80°	23406	21943	22352
85°	17389	17068	15932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.5	3.2
10°-20°	425.1	9.1
20°-30°	650.8	14.0
30°-40°	796.1	17.1
40°-50°	842.1	18.1
50°-60°	775.9	16.7
60°-70°	597.2	12.8
70°-80°	335.5	7.2
80°-90°	83.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1223.5	26.3
0°-40°	2019.7	43.4
0°-60°	3637.6	78.2
0°-90°	4654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1561	1557	1540	1553	1549	149
15°	1514	1510	1496	1509	1504	427
25°	1416	1415	1405	1415	1407	653
35°	1276	1274	1268	1274	1270	798
45°	1091	1094	1093	1090	1091	841
55°	865	873	870	867	865	775
65°	611	613	604	595	597	603
75°	329	324	313	309	314	346
85°	70	69	69	67	64	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1554.7	1554.7	1554.7	1554.7	1554.7
2.5°	1567.9	1559.3	1542.2	1557.4	1553.4
5°	1561.3	1556.7	1539.6	1553.4	1548.8
7.5°	1554.7	1549.5	1533.0	1548.2	1541.6
10°	1544.2	1539.6	1523.2	1537.6	1531.7
12.5°	1530.4	1526.5	1511.3	1525.1	1519.2
15°	1513.9	1510.0	1495.5	1508.7	1504.1
17.5°	1494.2	1489.6	1475.8	1489.6	1486.3
20°	1469.9	1467.2	1454.7	1467.2	1465.3
22.5°	1444.9	1441.6	1431.7	1440.9	1441.6
25°	1415.9	1414.6	1404.7	1414.6	1407.4
27.5°	1385.6	1385.6	1375.8	1382.4	1377.8
30°	1352.1	1351.4	1343.5	1346.8	1344.9
32.5°	1315.9	1315.2	1304.7	1313.3	1310.0
35°	1275.8	1273.8	1267.9	1273.8	1269.8
37.5°	1234.3	1232.3	1227.7	1231.0	1230.4
40°	1188.3	1188.3	1185.6	1188.3	1186.3
42.5°	1140.9	1142.9	1139.6	1142.2	1142.2
45°	1090.9	1094.2	1092.9	1090.2	1090.9
47.5°	1037.6	1043.5	1040.2	1039.6	1036.3
50°	985.0	990.2	986.9	983.6	981.7
52.5°	930.3	933.0	929.0	927.7	923.1
55°	865.2	873.1	869.8	867.2	865.2
57.5°	805.3	811.3	808.6	803.4	800.1
60°	741.5	746.1	744.8	738.9	738.2
62.5°	679.0	680.3	679.0	668.5	669.1
65°	611.2	612.6	604.0	595.4	597.4
67.5°	540.2	544.1	532.3	519.8	528.3
70°	471.1	469.8	460.6	446.8	459.3
72.5°	400.0	398.7	388.2	378.3	386.9
75°	329.0	323.7	313.2	308.6	314.5
77.5°	255.3	249.4	244.8	241.5	244.1
80°	188.8	180.9	177.0	174.4	180.3
82.5°	125.7	119.7	117.8	119.7	118.4
85°	70.4	69.1	69.1	67.1	64.5
87.5°	28.9	30.3	30.9	30.3	28.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)