

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: P565826

Luminaire Tested: **2SNX-47HL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565826  
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-L830-CD  
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

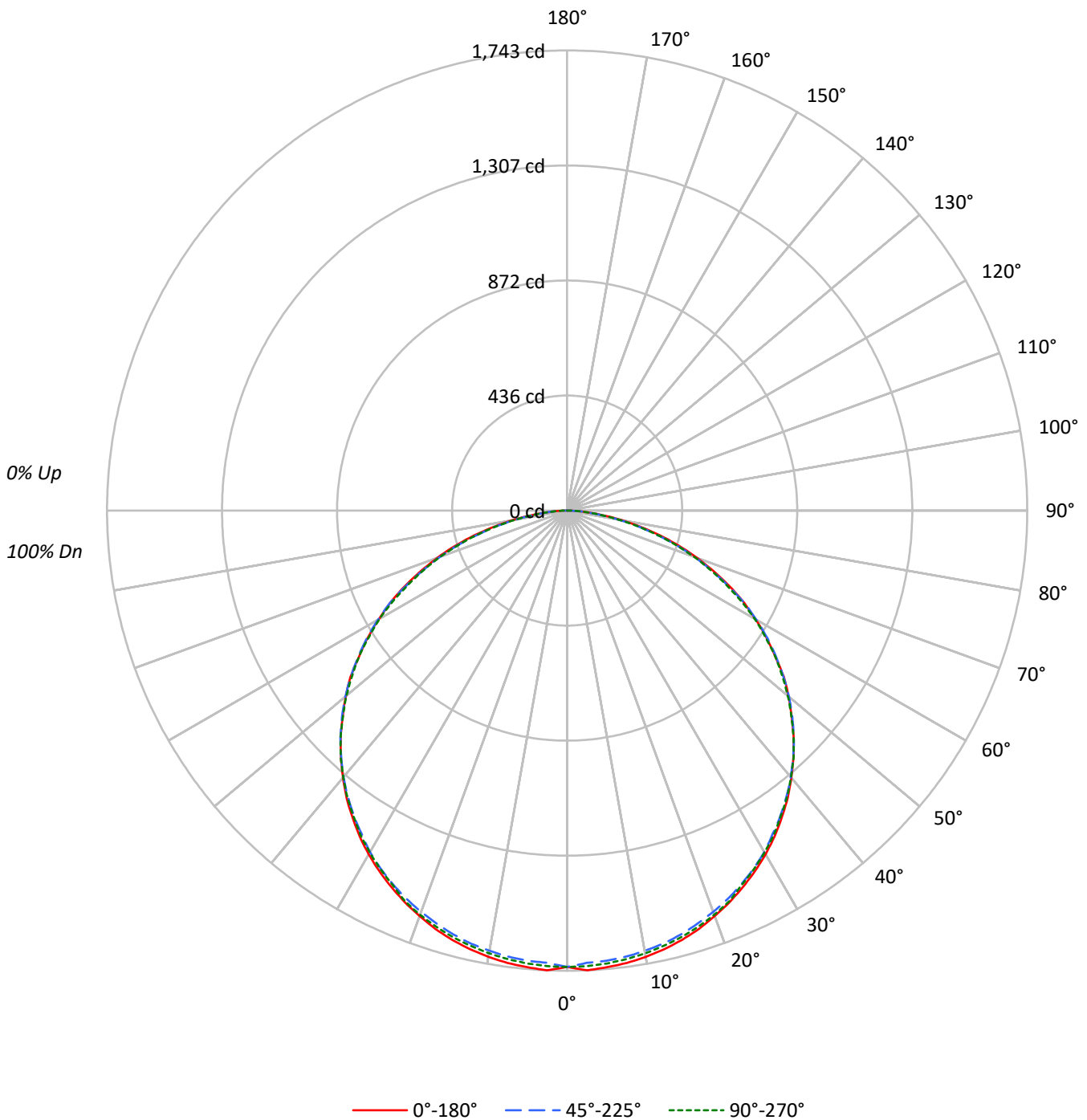
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5174.0 lumens  
Efficiency: N/A  
Efficacy: 153.5 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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	37211	37211	37211
5°	37511	36988	37210
10°	37529	37015	37225
15°	37512	37055	37267
20°	37436	37051	37319
25°	37390	37096	37164
30°	37367	37131	37165
35°	37274	37043	37100
40°	37124	37042	37062
45°	36924	36991	36924
50°	36673	36747	36549
55°	36103	36294	36103
60°	35495	35650	35336
65°	34613	34206	33834
70°	32963	32227	32139
75°	30418	28962	29079
80°	26022	24398	24844
85°	19340	18970	17710



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	3.2
10°-20°	472.6	9.1
20°-30°	723.6	14.0
30°-40°	885.1	17.1
40°-50°	936.2	18.1
50°-60°	862.6	16.7
60°-70°	663.9	12.8
70°-80°	373.0	7.2
80°-90°	93.0	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°	1360.2	26.3
0°-40°	2245.3	43.4
0°-60°	4044.1	78.2
0°-90°	5174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1728	1728	1728	1728	1728	
5°	1736	1731	1712	1727	1722	165
15°	1683	1679	1663	1677	1672	475
25°	1574	1573	1562	1573	1565	726
35°	1418	1416	1410	1416	1412	888
45°	1213	1216	1215	1212	1213	935
55°	962	971	967	964	962	861
65°	680	681	672	662	664	670
75°	366	360	348	343	350	385
85°	78	77	77	75	72	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1728.5	1728.5	1728.5	1728.5	1728.5
2.5°	1743.1	1733.6	1714.6	1731.4	1727.0
5°	1735.8	1730.7	1711.6	1727.0	1721.9
7.5°	1728.5	1722.6	1704.3	1721.1	1713.8
10°	1716.8	1711.6	1693.3	1709.4	1702.9
12.5°	1701.4	1697.0	1680.2	1695.5	1689.0
15°	1683.1	1678.7	1662.6	1677.3	1672.1
17.5°	1661.2	1656.0	1640.7	1656.0	1652.4
20°	1634.1	1631.2	1617.3	1631.2	1629.0
22.5°	1606.3	1602.6	1591.7	1601.9	1602.6
25°	1574.1	1572.7	1561.7	1572.7	1564.6
27.5°	1540.5	1540.5	1529.5	1536.8	1531.7
30°	1503.2	1502.4	1493.7	1497.3	1495.1
32.5°	1462.9	1462.2	1450.5	1460.0	1456.4
35°	1418.3	1416.1	1409.5	1416.1	1411.7
37.5°	1372.2	1370.0	1364.9	1368.6	1367.8
40°	1321.0	1321.0	1318.1	1321.0	1318.8
42.5°	1268.4	1270.6	1266.9	1269.8	1269.8
45°	1212.8	1216.4	1215.0	1212.0	1212.8
47.5°	1153.5	1160.1	1156.4	1155.7	1152.1
50°	1095.0	1100.9	1097.2	1093.5	1091.3
52.5°	1034.3	1037.2	1032.8	1031.4	1026.2
55°	961.9	970.7	967.0	964.1	961.9
57.5°	895.3	901.9	899.0	893.1	889.5
60°	824.4	829.5	828.0	821.4	820.7
62.5°	754.9	756.3	754.9	743.2	743.9
65°	679.5	681.0	671.5	662.0	664.2
67.5°	600.5	604.9	591.8	577.9	587.4
70°	523.7	522.3	512.0	496.7	510.6
72.5°	444.7	443.3	431.6	420.6	430.1
75°	365.7	359.9	348.2	343.1	349.6
77.5°	283.8	277.2	272.1	268.4	271.4
80°	209.9	201.2	196.8	193.8	200.4
82.5°	139.7	133.1	130.9	133.1	131.7
85°	78.3	76.8	76.8	74.6	71.7
87.5°	32.2	33.6	34.4	33.6	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)