

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: P566414

Luminaire Tested: **4SNX-41SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-UNV-L830-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

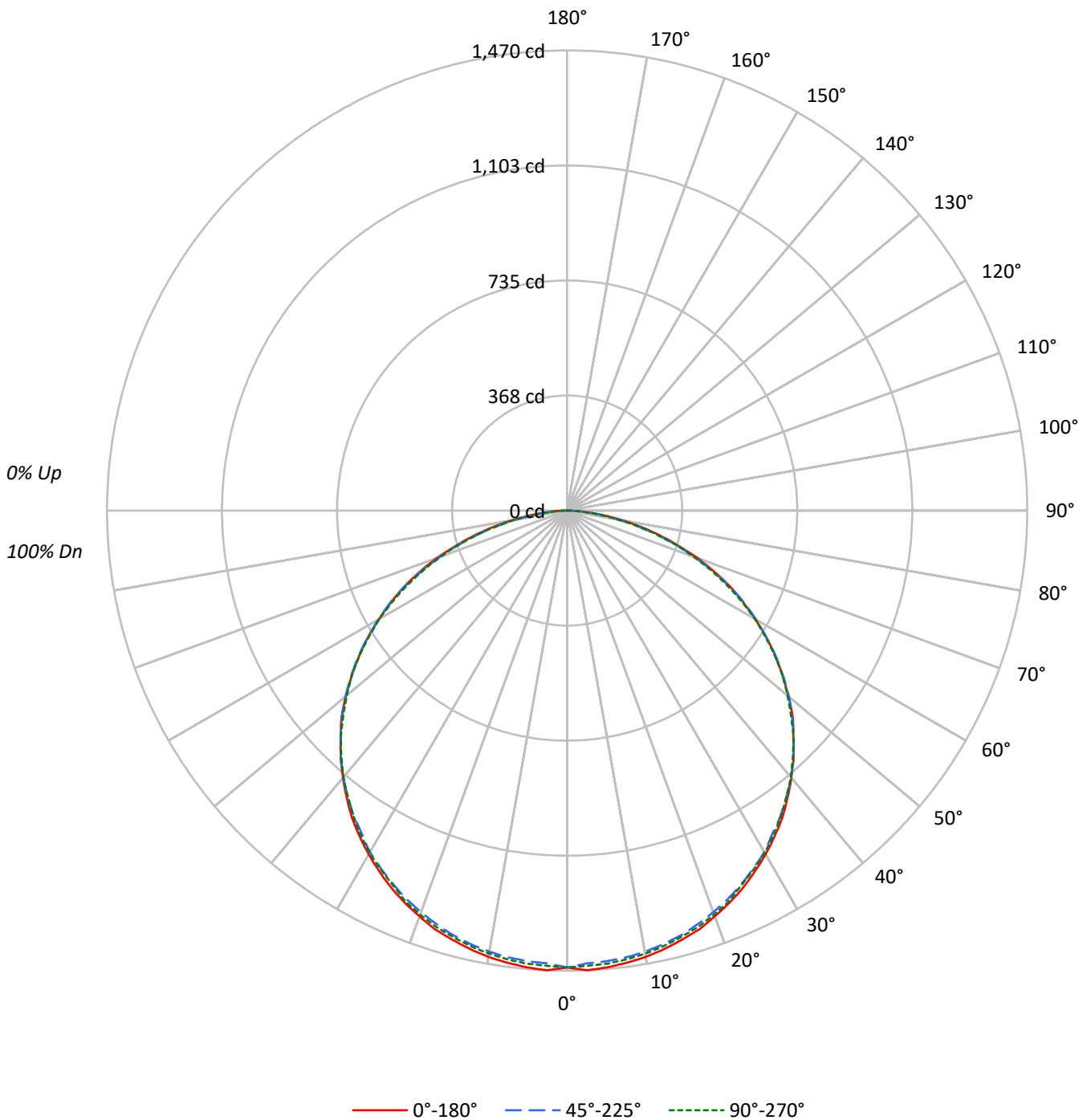
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4364.0 lumens  
Efficiency: N/A  
Efficacy: 165.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 26.3  
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	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°	15710	15710	15710
5°	15827	15614	15700
10°	15823	15638	15709
15°	15811	15650	15709
20°	15802	15636	15726
25°	15791	15636	15667
30°	15759	15661	15694
35°	15746	15626	15644
40°	15657	15639	15621
45°	15565	15585	15565
50°	15451	15495	15386
55°	15248	15296	15221
60°	14947	15005	14919
65°	14642	14543	14342
70°	13920	13630	13467
75°	12718	12281	12335
80°	10984	10172	10414
85°	8262	7941	7138



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.5	3.2
10°-20°	399.0	9.1
20°-30°	610.4	14.0
30°-40°	746.4	17.1
40°-50°	789.5	18.1
50°-60°	727.5	16.7
60°-70°	560.6	12.8
70°-80°	314.1	7.2
80°-90°	78.1	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°	1147.9	26.3
0°-40°	1894.3	43.4
0°-60°	3411.3	78.2
0°-90°	4364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4364.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1460	1460	1460	1460	1460	
5°	1465	1460	1445	1460	1453	139
15°	1419	1416	1404	1416	1410	401
25°	1330	1327	1316	1327	1319	613
35°	1198	1196	1189	1193	1190	749
45°	1022	1026	1024	1022	1022	790
55°	812	819	815	815	811	725
65°	575	575	571	556	563	565
75°	306	302	295	285	297	324
85°	67	63	64	64	58	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1459.5	1459.5	1459.5	1459.5	1459.5
2.5°	1470.0	1463.5	1447.7	1462.2	1455.6
5°	1464.8	1459.5	1445.1	1459.5	1453.0
7.5°	1456.9	1453.0	1439.8	1453.0	1446.4
10°	1447.7	1443.8	1430.7	1443.8	1437.2
12.5°	1434.6	1432.0	1418.8	1432.0	1425.4
15°	1418.8	1416.2	1404.4	1416.2	1409.7
17.5°	1403.1	1397.8	1386.0	1399.2	1393.9
20°	1379.5	1376.8	1365.0	1376.8	1372.9
22.5°	1355.8	1353.2	1342.7	1353.2	1350.6
25°	1329.6	1327.0	1316.5	1327.0	1319.1
27.5°	1299.4	1300.7	1288.9	1295.5	1291.5
30°	1267.9	1267.9	1260.0	1262.7	1262.7
32.5°	1233.8	1233.8	1222.0	1229.8	1228.5
35°	1198.3	1195.7	1189.2	1193.1	1190.5
37.5°	1156.3	1155.0	1151.1	1153.7	1151.1
40°	1114.3	1115.7	1113.0	1111.7	1111.7
42.5°	1071.0	1073.7	1069.7	1068.4	1067.1
45°	1022.5	1026.4	1023.8	1022.5	1022.5
47.5°	977.8	979.1	975.2	973.9	970.0
50°	922.7	928.0	925.3	922.7	918.8
52.5°	867.6	875.5	870.2	867.6	867.6
55°	812.5	819.0	815.1	815.1	811.1
57.5°	754.7	761.3	756.0	756.0	750.8
60°	694.3	700.9	697.0	693.0	693.0
62.5°	634.0	639.2	637.9	631.3	627.4
65°	574.9	574.9	571.0	556.5	563.1
67.5°	508.0	506.6	501.4	486.9	496.1
70°	442.3	442.3	433.1	416.1	427.9
72.5°	371.4	375.4	363.6	351.8	363.6
75°	305.8	301.9	295.3	284.8	296.6
77.5°	242.8	236.3	228.4	223.1	229.7
80°	177.2	173.3	164.1	164.1	168.0
82.5°	120.8	116.8	110.3	111.6	106.3
85°	66.9	63.0	64.3	64.3	57.8
87.5°	27.6	27.6	27.6	24.9	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)