

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: P566420

Luminaire Tested: **4SNX-41SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566420  
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-L940-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

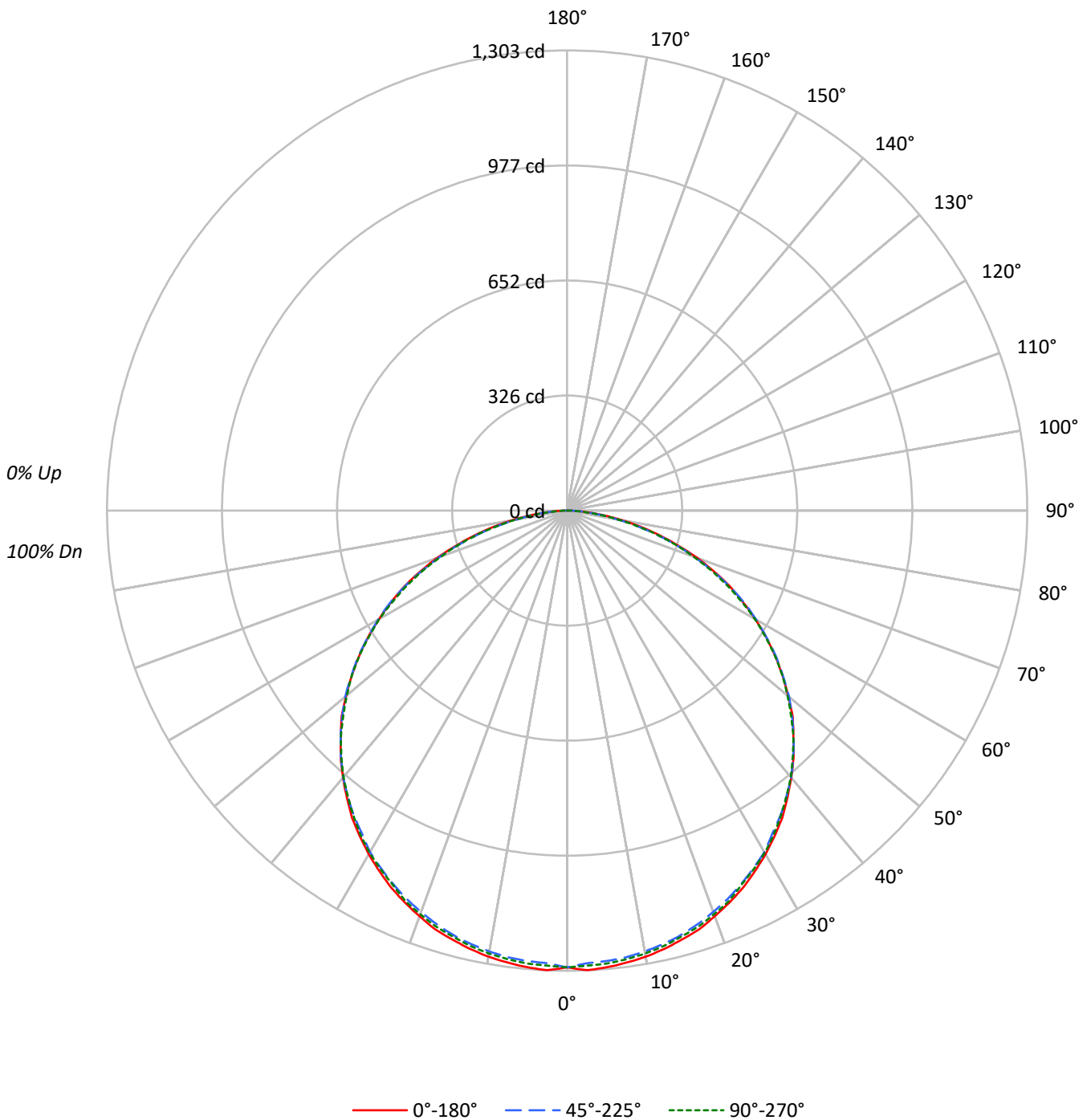
Lumens per Lamp: N/A  
Luminaire Lumens: 3867.0 lumens  
Efficiency: N/A  
Efficacy: 147.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.3  
Input Voltage (V): NR  
Input Current (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°	13921	13921	13921
5°	14025	13836	13911
10°	14021	13856	13919
15°	14011	13868	13920
20°	14002	13856	13936
25°	13993	13854	13883
30°	13964	13877	13907
35°	13954	13846	13862
40°	13874	13859	13842
45°	13792	13810	13792
50°	13691	13731	13633
55°	13510	13555	13489
60°	13246	13296	13220
65°	12974	12885	12707
70°	12334	12079	11934
75°	11271	10884	10934
80°	9732	9013	9230
85°	7324	7040	6323



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.7	3.2
10°-20°	353.5	9.1
20°-30°	540.9	14.0
30°-40°	661.4	17.1
40°-50°	699.6	18.1
50°-60°	644.6	16.7
60°-70°	496.7	12.8
70°-80°	278.3	7.2
80°-90°	69.2	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°	1017.1	26.3
0°-40°	1678.5	43.4
0°-60°	3022.8	78.2
0°-90°	3867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1293	1293	1293	1293	1293	
5°	1298	1293	1280	1293	1288	123
15°	1257	1255	1244	1255	1249	355
25°	1178	1176	1166	1176	1169	543
35°	1062	1060	1054	1057	1055	663
45°	906	910	907	906	906	700
55°	720	726	722	722	719	643
65°	509	509	506	493	499	501
75°	271	268	262	252	263	287
85°	59	56	57	57	51	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1293.3	1293.3	1293.3	1293.3	1293.3
2.5°	1302.6	1296.8	1282.8	1295.6	1289.8
5°	1298.0	1293.3	1280.5	1293.3	1287.5
7.5°	1291.0	1287.5	1275.9	1287.5	1281.7
10°	1282.8	1279.4	1267.7	1279.4	1273.5
12.5°	1271.2	1268.9	1257.3	1268.9	1263.1
15°	1257.3	1254.9	1244.5	1254.9	1249.1
17.5°	1243.3	1238.7	1228.2	1239.8	1235.2
20°	1222.4	1220.0	1209.6	1220.0	1216.6
22.5°	1201.4	1199.1	1189.8	1199.1	1196.8
25°	1178.2	1175.8	1166.5	1175.8	1168.9
27.5°	1151.4	1152.6	1142.1	1147.9	1144.4
30°	1123.5	1123.5	1116.5	1118.9	1118.9
32.5°	1093.3	1093.3	1082.8	1089.8	1088.6
35°	1061.9	1059.5	1053.7	1057.2	1054.9
37.5°	1024.6	1023.5	1020.0	1022.3	1020.0
40°	987.4	988.6	986.3	985.1	985.1
42.5°	949.1	951.4	947.9	946.7	945.6
45°	906.0	909.5	907.2	906.0	906.0
47.5°	866.5	867.6	864.1	863.0	859.5
50°	817.6	822.3	820.0	817.6	814.1
52.5°	768.8	775.8	771.1	768.8	768.8
55°	719.9	725.7	722.3	722.3	718.8
57.5°	668.8	674.6	669.9	669.9	665.3
60°	615.3	621.1	617.6	614.1	614.1
62.5°	561.8	566.4	565.2	559.4	555.9
65°	509.4	509.4	505.9	493.1	498.9
67.5°	450.1	448.9	444.3	431.5	439.6
70°	391.9	391.9	383.8	368.7	379.2
72.5°	329.1	332.6	322.2	311.7	322.2
75°	271.0	267.5	261.7	252.4	262.9
77.5°	215.2	209.3	202.4	197.7	203.5
80°	157.0	153.5	145.4	145.4	148.9
82.5°	107.0	103.5	97.7	98.9	94.2
85°	59.3	55.8	57.0	57.0	51.2
87.5°	24.4	24.4	24.4	22.1	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)