

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: P566416

Luminaire Tested: **4SNX-41SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566416  
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-L840-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

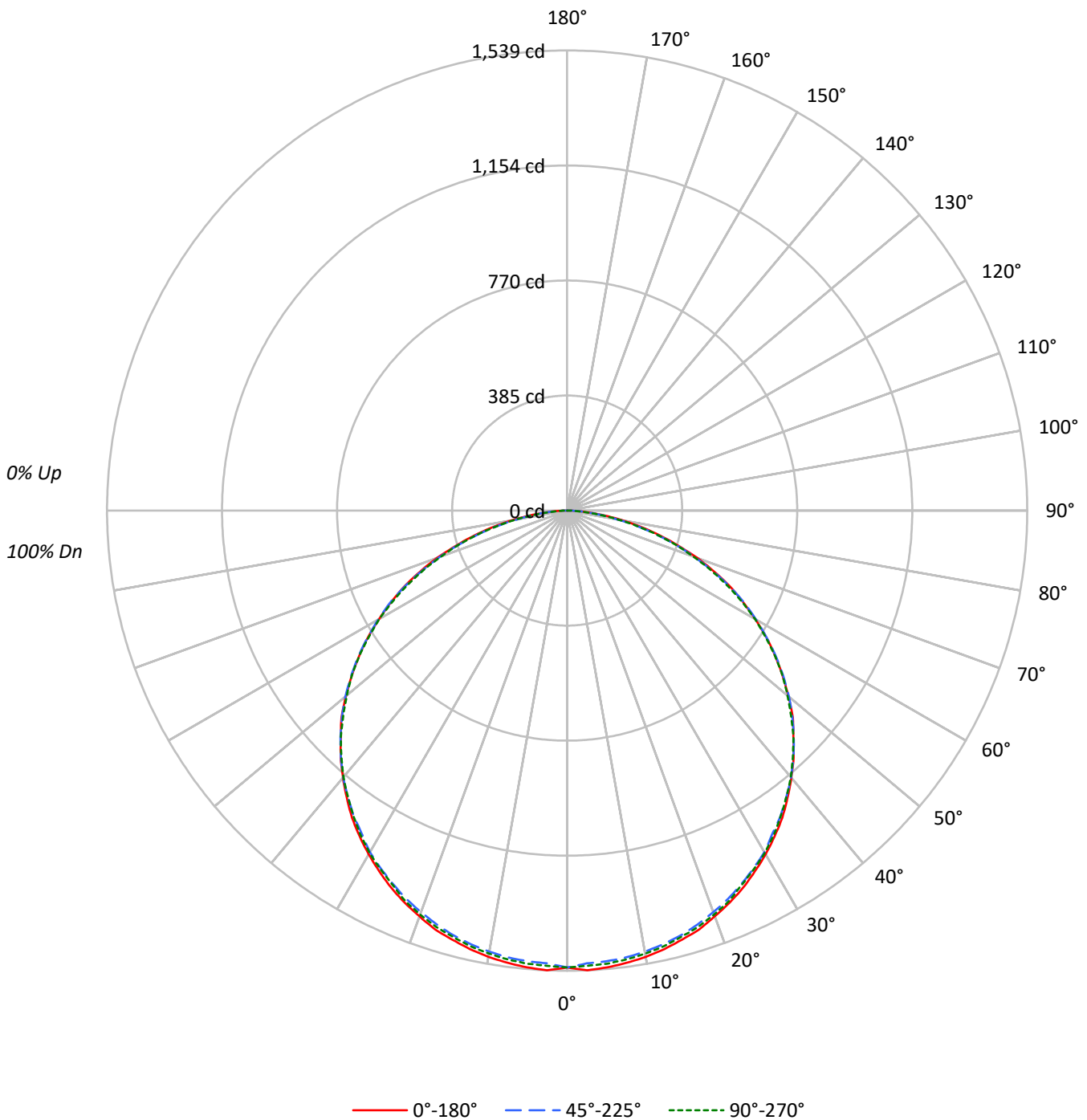
Lumens per Lamp: N/A  
Luminaire Lumens: 4569.0 lumens  
Efficiency: N/A  
Efficacy: 173.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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	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°	16448	16448	16448
5°	16571	16348	16437
10°	16567	16372	16446
15°	16554	16386	16447
20°	16544	16371	16465
25°	16534	16370	16403
30°	16500	16396	16431
35°	16486	16360	16378
40°	16394	16374	16354
45°	16296	16317	16296
50°	16178	16223	16108
55°	15963	16015	15936
60°	15649	15709	15621
65°	15330	15226	15014
70°	14574	14272	14099
75°	13317	12859	12917
80°	11499	10649	10903
85°	8657	8312	7472



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.0	3.2
10°-20°	417.7	9.1
20°-30°	639.1	14.0
30°-40°	781.5	17.1
40°-50°	826.6	18.1
50°-60°	761.6	16.7
60°-70°	586.9	12.8
70°-80°	328.9	7.2
80°-90°	81.7	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°	1201.8	26.3
0°-40°	1983.2	43.4
0°-60°	3571.5	78.2
0°-90°	4569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1534	1528	1513	1528	1521	146
15°	1486	1483	1470	1483	1476	420
25°	1392	1389	1378	1389	1381	642
35°	1255	1252	1245	1249	1246	784
45°	1070	1075	1072	1070	1070	827
55°	851	858	853	853	849	760
65°	602	602	598	583	590	592
75°	320	316	309	298	311	339
85°	70	66	67	67	60	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1528.1	1528.1	1528.1	1528.1	1528.1
2.5°	1539.1	1532.2	1515.7	1530.8	1524.0
5°	1533.6	1528.1	1513.0	1528.1	1521.2
7.5°	1525.4	1521.2	1507.5	1521.2	1514.4
10°	1515.7	1511.6	1497.9	1511.6	1504.7
12.5°	1502.0	1499.2	1485.5	1499.2	1492.4
15°	1485.5	1482.8	1470.4	1482.8	1475.9
17.5°	1469.0	1463.5	1451.1	1464.9	1459.4
20°	1444.3	1441.5	1429.2	1441.5	1437.4
22.5°	1419.5	1416.8	1405.8	1416.8	1414.0
25°	1392.1	1389.3	1378.3	1389.3	1381.1
27.5°	1360.4	1361.8	1349.5	1356.3	1352.2
30°	1327.5	1327.5	1319.2	1322.0	1322.0
32.5°	1291.7	1291.7	1279.4	1287.6	1286.2
35°	1254.6	1251.9	1245.0	1249.1	1246.4
37.5°	1210.7	1209.3	1205.2	1207.9	1205.2
40°	1166.7	1168.1	1165.3	1163.9	1163.9
42.5°	1121.3	1124.1	1120.0	1118.6	1117.2
45°	1070.5	1074.6	1071.9	1070.5	1070.5
47.5°	1023.8	1025.1	1021.0	1019.6	1015.5
50°	966.1	971.6	968.8	966.1	961.9
52.5°	908.3	916.6	911.1	908.3	908.3
55°	850.6	857.5	853.4	853.4	849.2
57.5°	790.2	797.0	791.5	791.5	786.0
60°	726.9	733.8	729.7	725.6	725.6
62.5°	663.7	669.2	667.9	661.0	656.9
65°	601.9	601.9	597.8	582.7	589.5
67.5°	531.8	530.4	524.9	509.8	519.4
70°	463.1	463.1	453.5	435.6	448.0
72.5°	388.9	393.0	380.7	368.3	380.7
75°	320.2	316.1	309.2	298.2	310.6
77.5°	254.2	247.4	239.1	233.6	240.5
80°	185.5	181.4	171.8	171.8	175.9
82.5°	126.4	122.3	115.4	116.8	111.3
85°	70.1	66.0	67.3	67.3	60.5
87.5°	28.9	28.9	28.9	26.1	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)