

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: P566565

Luminaire Tested: **4SNX-51SL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566565  
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-51SL-UNV-L950-CD  
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

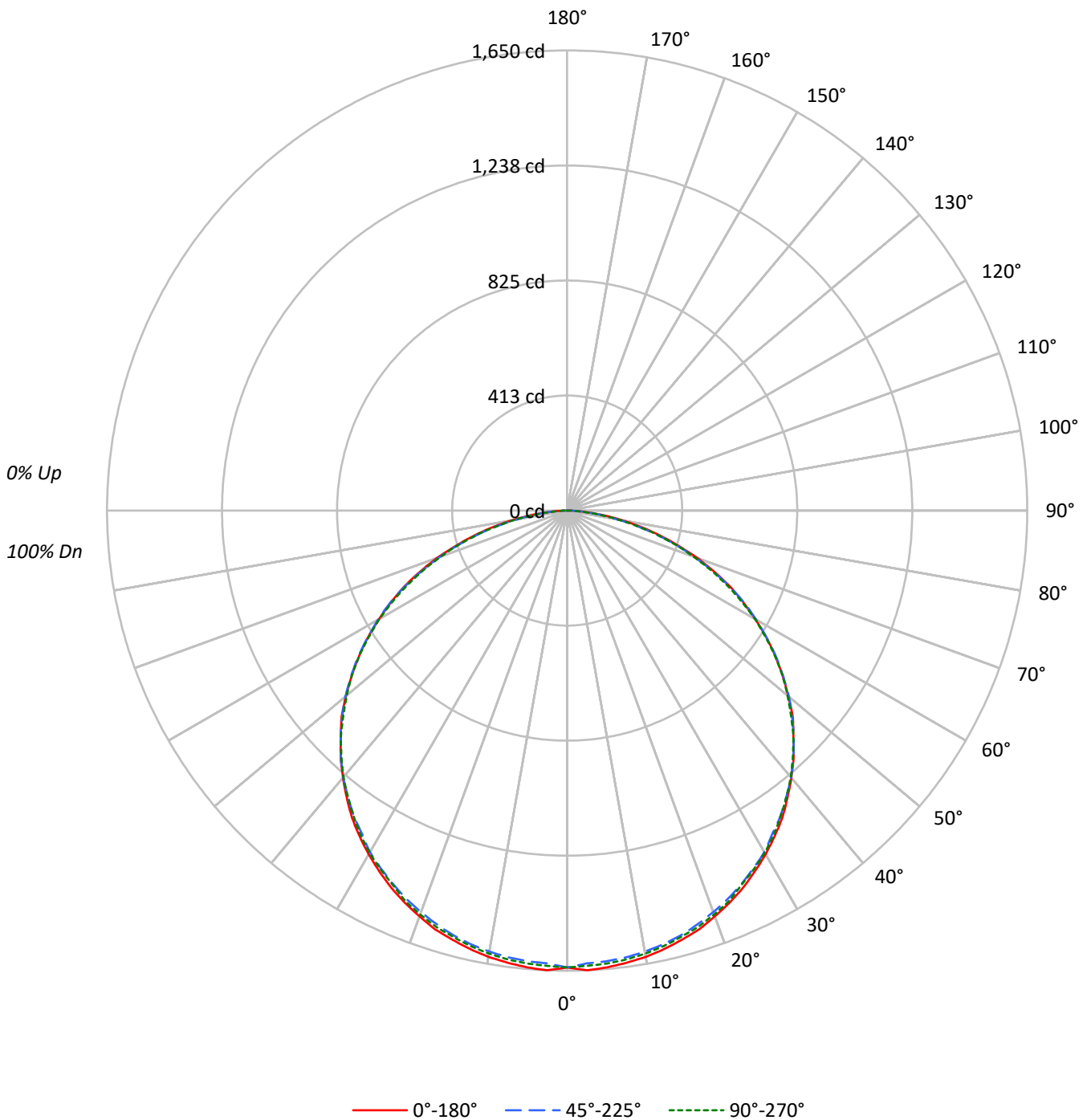
Lumens per Lamp: N/A  
Luminaire Lumens: 4898.0 lumens  
Efficiency: N/A  
Efficacy: 139.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 35  
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	38	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°	17632	17632	17632
5°	17763	17525	17621
10°	17760	17550	17631
15°	17746	17566	17631
20°	17735	17550	17651
25°	17724	17549	17583
30°	17688	17577	17615
35°	17674	17538	17557
40°	17574	17553	17533
45°	17469	17491	17469
50°	17342	17392	17268
55°	17113	17167	17085
60°	16777	16839	16744
65°	16433	16321	16097
70°	15622	15298	15113
75°	14273	13787	13845
80°	12329	11412	11691
85°	9275	8917	8003



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.4	3.2
10°-20°	447.8	9.1
20°-30°	685.1	14.0
30°-40°	837.7	17.1
40°-50°	886.2	18.1
50°-60°	816.5	16.7
60°-70°	629.1	12.8
70°-80°	352.5	7.2
80°-90°	87.6	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°	1288.3	26.3
0°-40°	2126.1	43.4
0°-60°	3828.7	78.2
0°-90°	4898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4898.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1644	1638	1622	1638	1631	156
15°	1592	1590	1576	1590	1582	450
25°	1492	1489	1478	1489	1480	688
35°	1345	1342	1335	1339	1336	840
45°	1148	1152	1149	1148	1148	886
55°	912	919	915	915	910	814
65°	645	645	641	625	632	635
75°	343	339	332	320	333	364
85°	75	71	72	72	65	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1638.1	1638.1	1638.1	1638.1	1638.1
2.5°	1649.9	1642.6	1624.9	1641.1	1633.7
5°	1644.0	1638.1	1621.9	1638.1	1630.8
7.5°	1635.2	1630.8	1616.0	1630.8	1623.4
10°	1624.9	1620.5	1605.7	1620.5	1613.1
12.5°	1610.1	1607.2	1592.5	1607.2	1599.8
15°	1592.5	1589.5	1576.3	1589.5	1582.2
17.5°	1574.8	1568.9	1555.6	1570.4	1564.5
20°	1548.3	1545.3	1532.1	1545.3	1540.9
22.5°	1521.8	1518.8	1507.0	1518.8	1515.9
25°	1492.3	1489.3	1477.6	1489.3	1480.5
27.5°	1458.4	1459.9	1446.6	1454.0	1449.6
30°	1423.1	1423.1	1414.2	1417.2	1417.2
32.5°	1384.8	1384.8	1371.5	1380.3	1378.9
35°	1345.0	1342.0	1334.7	1339.1	1336.1
37.5°	1297.8	1296.4	1291.9	1294.9	1291.9
40°	1250.7	1252.2	1249.2	1247.8	1247.8
42.5°	1202.1	1205.0	1200.6	1199.1	1197.7
45°	1147.6	1152.0	1149.0	1147.6	1147.6
47.5°	1097.5	1099.0	1094.5	1093.1	1088.7
50°	1035.6	1041.5	1038.6	1035.6	1031.2
52.5°	973.7	982.6	976.7	973.7	973.7
55°	911.9	919.2	914.8	914.8	910.4
57.5°	847.1	854.4	848.5	848.5	842.6
60°	779.3	786.7	782.2	777.8	777.8
62.5°	711.5	717.4	715.9	708.6	704.2
65°	645.2	645.2	640.8	624.6	632.0
67.5°	570.1	568.6	562.7	546.5	556.8
70°	496.4	496.4	486.1	467.0	480.2
72.5°	416.9	421.3	408.1	394.8	408.1
75°	343.2	338.8	331.5	319.7	332.9
77.5°	272.5	265.2	256.3	250.4	257.8
80°	198.9	194.5	184.1	184.1	188.6
82.5°	135.5	131.1	123.7	125.2	119.3
85°	75.1	70.7	72.2	72.2	64.8
87.5°	30.9	30.9	30.9	28.0	25.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)