

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: P566468

Luminaire Tested: **4SNX-45SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566468  
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-45SL-UNV-L940-CD  
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

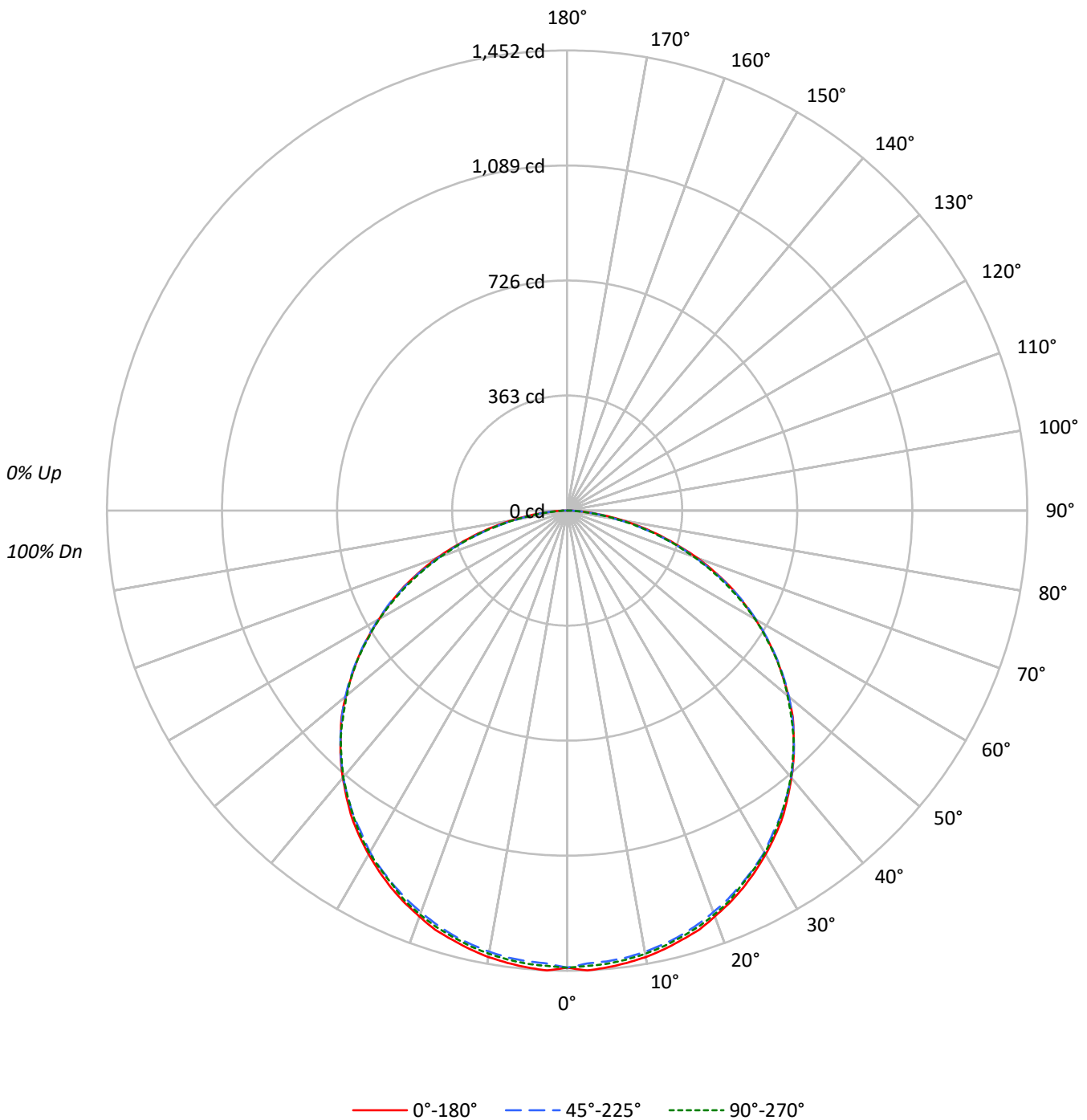
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4312.0 lumens  
Efficiency: N/A  
Efficacy: 144.7 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): 29.8  
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

TEST NUMBER: P566468

CATALOG NUMBER: 4SNX-45SL-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566468

CATALOG NUMBER: 4SNX-45SL-UNV-L940-CD

**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°	15523	15523	15523
5°	15638	15429	15513
10°	15635	15451	15522
15°	15622	15464	15522
20°	15613	15450	15539
25°	15604	15449	15480
30°	15571	15474	15507
35°	15559	15440	15457
40°	15472	15454	15435
45°	15379	15399	15379
50°	15267	15311	15202
55°	15066	15114	15041
60°	14770	14826	14742
65°	14467	14367	14171
70°	13756	13470	13306
75°	12568	12136	12190
80°	10854	10048	10290
85°	8163	7842	7052



TEST NUMBER: P566468

CATALOG NUMBER: 4SNX-45SL-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.8	3.2
10°-20°	394.2	9.1
20°-30°	603.2	14.0
30°-40°	737.5	17.1
40°-50°	780.1	18.1
50°-60°	718.8	16.7
60°-70°	553.9	12.8
70°-80°	310.3	7.2
80°-90°	77.1	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°	1134.2	26.3
0°-40°	1871.7	43.4
0°-60°	3370.6	78.2
0°-90°	4312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4312.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1447	1442	1428	1442	1436	138
15°	1402	1399	1388	1399	1393	396
25°	1314	1311	1301	1311	1303	605
35°	1184	1182	1175	1179	1176	740
45°	1010	1014	1012	1010	1010	780
55°	803	809	805	805	802	717
65°	568	568	564	550	556	559
75°	302	298	292	281	293	320
85°	66	62	64	64	57	82
90°	0	0	0	0	0	



TEST NUMBER: P566468

CATALOG NUMBER: 4SNX-45SL-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1442.1	1442.1	1442.1	1442.1	1442.1
2.5°	1452.5	1446.0	1430.5	1444.7	1438.3
5°	1447.3	1442.1	1427.9	1442.1	1435.7
7.5°	1439.6	1435.7	1422.7	1435.7	1429.2
10°	1430.5	1426.6	1413.6	1426.6	1420.1
12.5°	1417.5	1414.9	1401.9	1414.9	1408.4
15°	1401.9	1399.3	1387.7	1399.3	1392.9
17.5°	1386.4	1381.2	1369.5	1382.5	1377.3
20°	1363.0	1360.4	1348.8	1360.4	1356.6
22.5°	1339.7	1337.1	1326.7	1337.1	1334.5
25°	1313.8	1311.2	1300.8	1311.2	1303.4
27.5°	1283.9	1285.2	1273.5	1280.0	1276.1
30°	1252.8	1252.8	1245.0	1247.6	1247.6
32.5°	1219.1	1219.1	1207.4	1215.2	1213.9
35°	1184.1	1181.5	1175.0	1178.9	1176.3
37.5°	1142.6	1141.3	1137.4	1140.0	1137.4
40°	1101.1	1102.4	1099.8	1098.5	1098.5
42.5°	1058.3	1060.9	1057.0	1055.7	1054.4
45°	1010.3	1014.2	1011.6	1010.3	1010.3
47.5°	966.2	967.5	963.6	962.3	958.4
50°	911.7	916.9	914.3	911.7	907.8
52.5°	857.2	865.0	859.8	857.2	857.2
55°	802.8	809.3	805.4	805.4	801.5
57.5°	745.7	752.2	747.0	747.0	741.8
60°	686.1	692.5	688.7	684.8	684.8
62.5°	626.4	631.6	630.3	623.8	619.9
65°	568.0	568.0	564.1	549.9	556.4
67.5°	501.9	500.6	495.4	481.1	490.2
70°	437.1	437.1	428.0	411.1	422.8
72.5°	367.0	370.9	359.2	347.6	359.2
75°	302.2	298.3	291.8	281.4	293.1
77.5°	239.9	233.4	225.7	220.5	227.0
80°	175.1	171.2	162.1	162.1	166.0
82.5°	119.3	115.4	108.9	110.2	105.0
85°	66.1	62.3	63.5	63.5	57.1
87.5°	27.2	27.2	27.2	24.6	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)