

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1309012

Luminaire Tested: P3SQAS09R509035DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

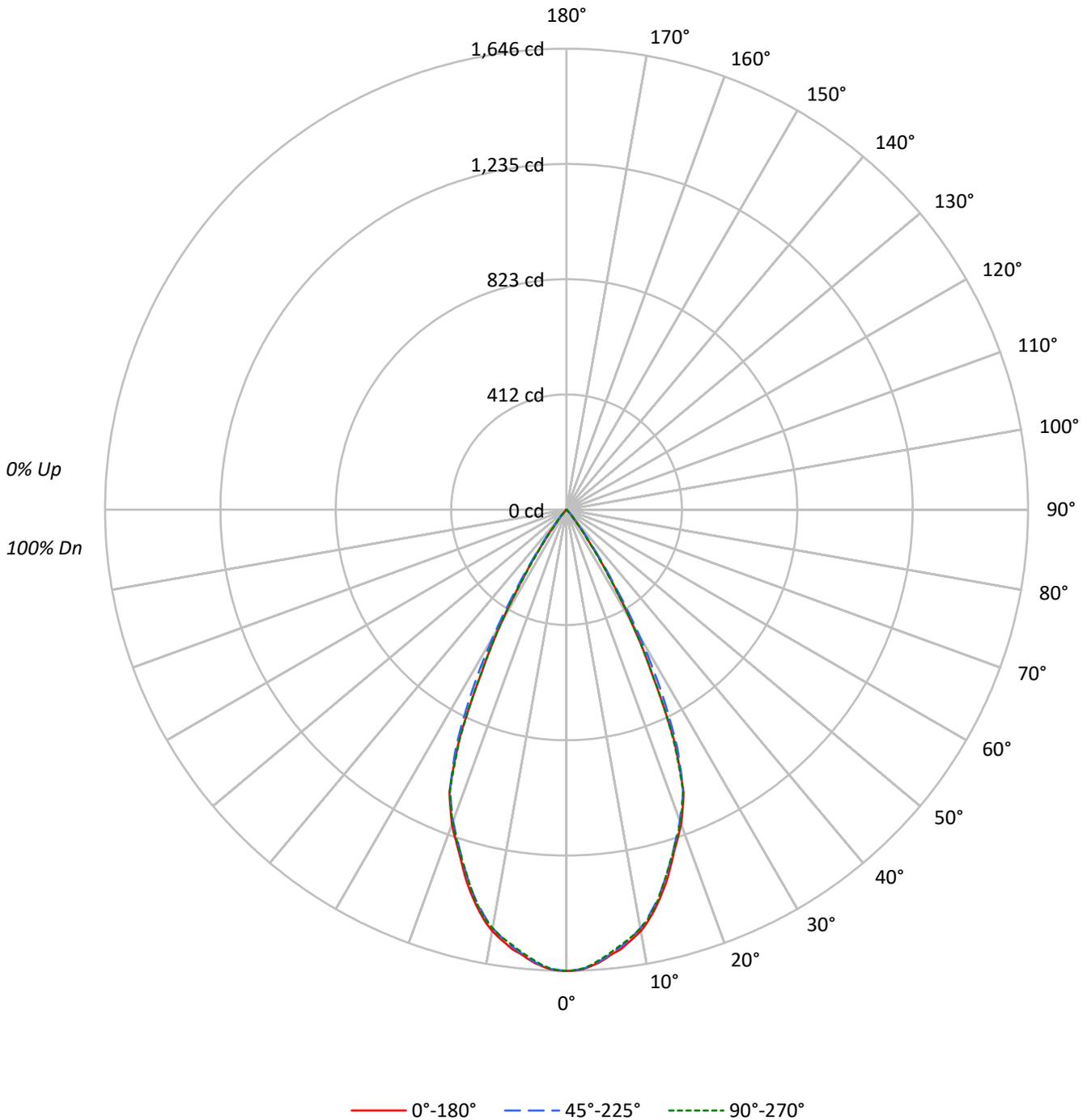
Test Method: LM-79-2019  
Report Number: P1309012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R509035DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1061.1 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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: 24 FT

TEST NUMBER: P1309012  
CATALOG NUMBER: P3SQAS09R509035DE010 E3SQCD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1309012  
 CATALOG NUMBER: P3SQAS09R509035DE010 E3SQCD1MW

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	283547	283547	283547
5°	277992	277473	276678
10°	267111	265257	265397
15°	245195	242913	242646
20°	219051	216705	217823
25°	172164	177181	170739
30°	92115	103191	92413
35°	30086	35153	28341
40°	7442	9308	7104
45°	926	3312	926
50°	616	1018	616
55°	691	691	691
60°	517	517	517
65°	611	611	611
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3312 cd/sqm



TEST NUMBER: P1309012

CATALOG NUMBER: P3SQAS09R509035DE010 E3SQCD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.5	14.2
10°-20°	380.7	35.9
20°-30°	400.5	37.7
30°-40°	115.4	10.9
40°-50°	9.4	0.9
50°-60°	2.1	0.2
60°-70°	1.4	0.1
70°-80°	0.8	0.1
80°-90°	0.2	0.0
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°	931.7	87.8
0°-40°	1047.1	98.7
0°-60°	1058.6	99.8
0°-90°	1061.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1061.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1646	1646	1646	1646	1646	
5°	1608	1607	1605	1606	1600	151
15°	1375	1366	1362	1362	1361	383
25°	906	929	932	922	898	393
35°	143	148	167	143	135	111
45°	4	8	14	8	4	7
55°	2	2	2	2	2	2
65°	2	2	2	2	2	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1309012

CATALOG NUMBER: P3SQAS09R509035DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1646.4	1646.4	1646.4	1646.4	1646.4
1°	1645.6	1647.1	1644.1	1649.4	1644.9
2°	1641.9	1642.6	1641.1	1644.9	1638.8
3°	1632.8	1634.3	1631.3	1634.3	1629.1
4°	1622.3	1622.3	1619.3	1621.5	1614.7
5°	1608.0	1607.2	1605.0	1606.5	1600.4
6°	1592.9	1592.2	1588.4	1588.4	1583.9
7°	1581.6	1576.3	1573.3	1572.6	1568.1
8°	1563.5	1562.0	1556.0	1556.0	1553.0
9°	1545.5	1544.0	1537.2	1538.7	1536.4
10°	1527.4	1522.1	1516.8	1517.6	1517.6
11°	1503.3	1498.8	1491.2	1494.2	1495.8
12°	1474.7	1469.4	1462.6	1468.6	1467.9
13°	1443.0	1438.5	1433.2	1437.8	1436.3
14°	1409.9	1403.1	1398.6	1401.6	1400.1
15°	1375.2	1366.2	1362.4	1362.4	1360.9
17.5°	1278.1	1272.8	1269.1	1266.8	1272.1
20°	1195.2	1190.7	1182.4	1184.7	1188.5
22.5°	1091.3	1090.6	1086.0	1082.3	1086.8
25°	906.0	928.6	932.4	921.9	898.5
27.5°	658.3	711.0	729.8	704.9	662.0
30°	463.2	488.0	518.9	470.0	464.7
32.5°	279.4	286.2	314.8	280.9	273.4
35°	143.1	148.4	167.2	143.1	134.8
37.5°	67.0	70.0	77.6	67.0	62.5
40°	33.1	36.9	41.4	34.6	31.6
42.5°	14.3	18.8	24.1	18.1	12.8
45°	3.8	7.5	13.6	7.5	3.8
47.5°	2.3	3.0	7.5	3.0	2.3
50°	2.3	2.3	3.8	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	1.5	2.3	1.5	2.3	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.0	0.8	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309012  
CATALOG NUMBER: P3SQAS09R509035DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)