

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: P1316132

Luminaire Tested: P3SQAS09R409827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

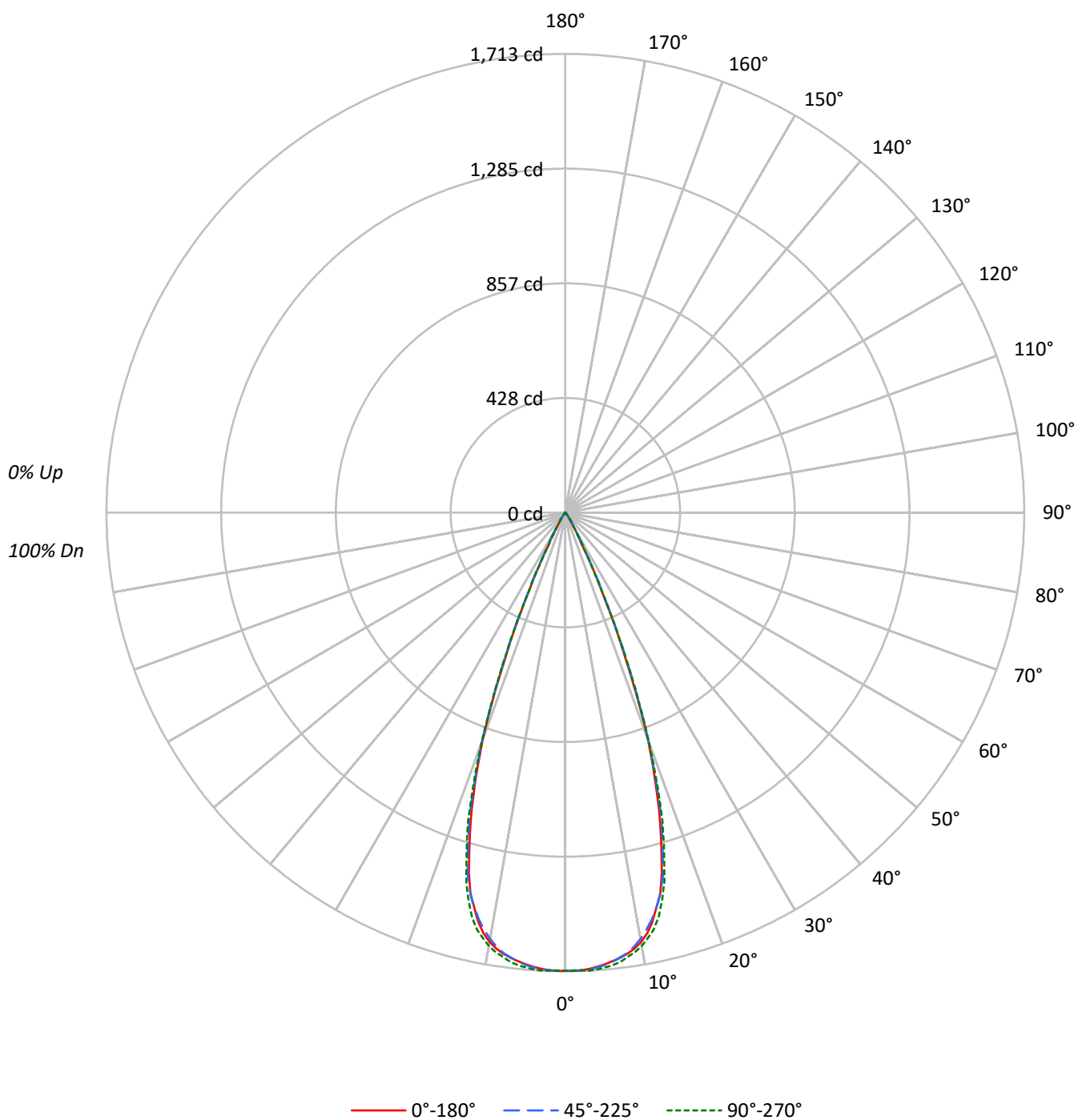
Lumens per Lamp: N/A
Luminaire Lumens: 723.9 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: 24 FT

TEST NUMBER: P1316132

CATALOG NUMBER: P3SQAS09R409827DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316132

CATALOG NUMBER: P3SQAS09R409827DE010 E3SQCD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	294621	294621	294621
5°	292652	293102	294692
10°	284739	282605	287309
15°	248084	250633	254538
20°	165260	166084	167679
25°	60086	61911	60371
30°	12747	17102	12747
35°	4499	7590	4289
40°	1596	2406	1596
45°	365	999	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	408	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm

TEST NUMBER: P1316132

CATALOG NUMBER: P3SQAS09R409827DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	22.1
10°-20°	372.5	51.5
20°-30°	167.6	23.2
30°-40°	19.1	2.6
40°-50°	2.7	0.4
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.5	0.1
80°-90°	0.0	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°	700.0	96.7
0°-40°	719.1	99.3
0°-60°	722.7	99.8
0°-90°	723.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1711	1711	1711	1711	1711	
5°	1693	1691	1695	1703	1705	160
15°	1391	1395	1406	1417	1428	370
25°	316	318	326	326	318	164
35°	21	24	36	23	20	16
45°	2	2	4	2	2	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316132

CATALOG NUMBER: P3SQAS09R409827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1710.7	1710.7	1710.7	1710.7	1710.7
1°	1711.7	1710.2	1709.6	1712.7	1710.2
2°	1710.2	1709.1	1709.6	1712.7	1710.7
3°	1705.6	1706.1	1707.6	1713.2	1712.7
4°	1700.0	1699.5	1702.5	1709.6	1709.6
5°	1692.8	1690.8	1695.4	1703.0	1704.6
6°	1684.7	1682.2	1685.7	1695.4	1699.0
7°	1675.5	1670.4	1673.5	1685.2	1689.8
8°	1663.3	1656.7	1660.3	1672.0	1675.5
9°	1648.0	1637.9	1640.9	1655.2	1662.3
10°	1628.2	1615.5	1616.0	1631.7	1642.9
11°	1600.2	1585.9	1586.4	1606.3	1618.0
12°	1563.0	1550.3	1552.8	1571.2	1590.0
13°	1512.6	1509.0	1512.1	1532.0	1549.3
14°	1463.7	1460.2	1465.8	1484.1	1492.2
15°	1391.4	1395.0	1405.7	1416.9	1427.6
17.5°	1162.3	1176.1	1188.8	1196.4	1205.6
20°	901.7	885.9	906.2	897.1	914.9
22.5°	581.9	593.6	598.7	593.6	595.7
25°	316.2	318.2	325.8	325.8	317.7
27.5°	134.4	145.1	154.8	151.2	134.4
30°	64.1	73.8	86.0	74.3	64.1
32.5°	36.1	42.8	55.5	41.7	35.1
35°	21.4	23.9	36.1	22.9	20.4
37.5°	12.7	13.2	19.9	13.7	12.2
40°	7.1	8.7	10.7	8.7	7.1
42.5°	3.6	5.1	6.6	5.1	3.6
45°	1.5	2.5	4.1	2.5	1.5
47.5°	1.5	1.5	2.5	1.5	1.5
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	1.0	1.0	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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: P1316132

CATALOG NUMBER: P3SQAS09R409827DE010 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)