

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: P1310130

Luminaire Tested: P3SQAS09R509040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310130
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: P3SQAS09R509040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

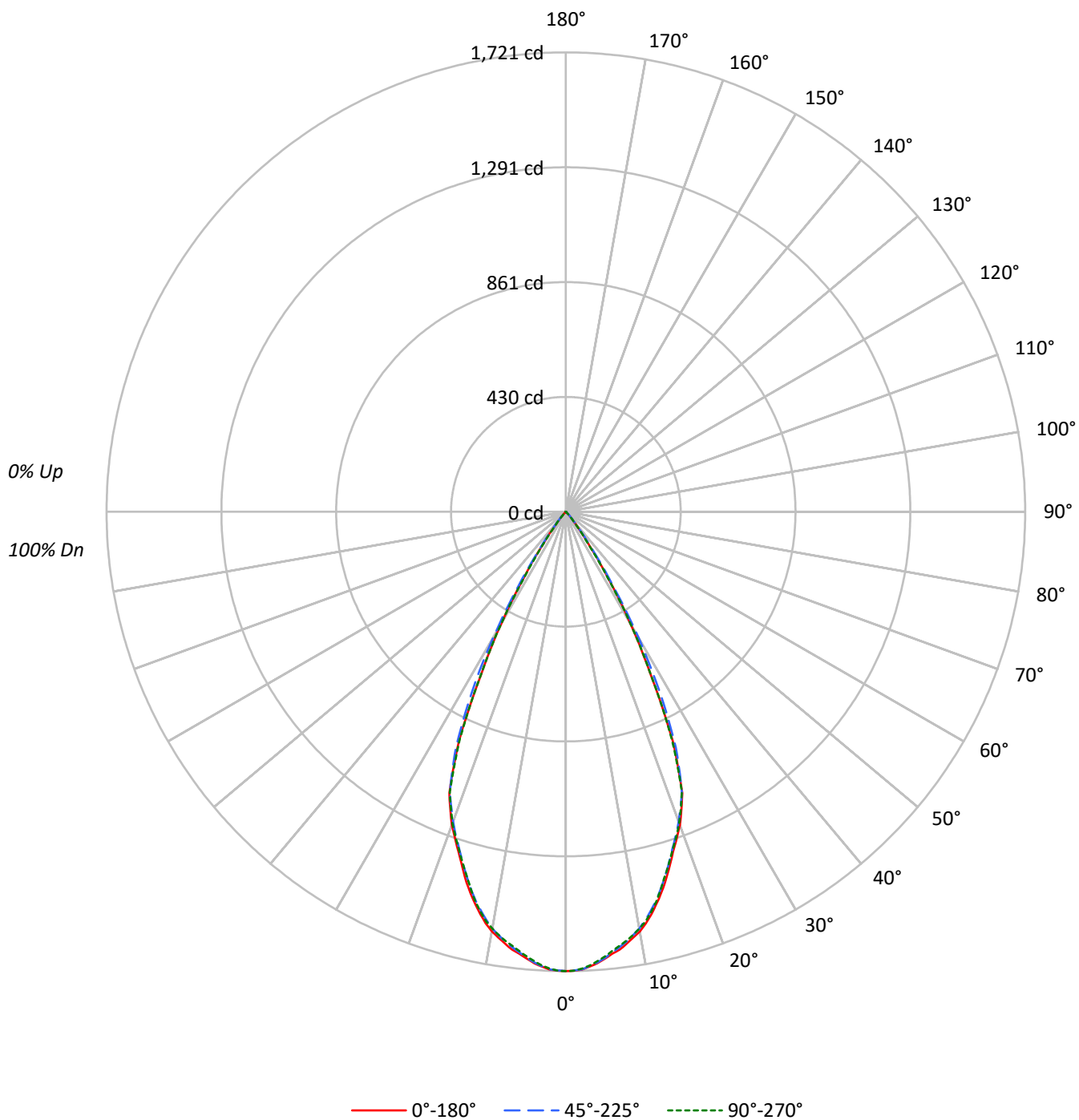
Lumens per Lamp: N/A
Luminaire Lumens: 1109.1 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	296378	296378	296378
5°	290560	290024	289195
10°	279195	277271	277394
15°	256303	253914	253629
20°	228966	226510	227665
25°	179955	185200	178473
30°	96271	107865	96589
35°	31453	36751	29624
40°	7779	9735	7442
45°	950	3459	950
50°	643	1045	643
55°	721	721	721
60°	551	551	551
65°	652	652	652
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: 3459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	14.2
10°-20°	398.0	35.9
20°-30°	418.6	37.7
30°-40°	120.6	10.9
40°-50°	9.8	0.9
50°-60°	2.1	0.2
60°-70°	1.5	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°	973.9	87.8
0°-40°	1094.5	98.7
0°-60°	1106.5	99.8
0°-90°	1109.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1109.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1721	1721	1721	1721	1721	
5°	1681	1680	1678	1679	1673	158
15°	1438	1428	1424	1424	1422	400
25°	947	971	975	964	939	410
35°	150	155	175	150	141	116
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1720.9	1720.9	1720.9	1720.9	1720.9
1°	1720.1	1721.7	1718.5	1724.0	1719.3
2°	1716.1	1716.9	1715.4	1719.3	1713.0
3°	1706.7	1708.3	1705.1	1708.3	1702.8
4°	1695.7	1695.7	1692.5	1694.9	1687.8
5°	1680.7	1679.9	1677.6	1679.1	1672.8
6°	1665.0	1664.2	1660.2	1660.2	1655.5
7°	1653.2	1647.7	1644.5	1643.7	1639.0
8°	1634.3	1632.7	1626.4	1626.4	1623.2
9°	1615.4	1613.8	1606.7	1608.3	1605.9
10°	1596.5	1591.0	1585.5	1586.2	1586.2
11°	1571.3	1566.6	1558.7	1561.8	1563.4
12°	1541.4	1535.9	1528.8	1535.1	1534.3
13°	1508.3	1503.6	1498.1	1502.8	1501.2
14°	1473.7	1466.6	1461.9	1465.0	1463.4
15°	1437.5	1428.0	1424.1	1424.1	1422.5
17.5°	1335.9	1330.4	1326.5	1324.1	1329.6
20°	1249.3	1244.6	1235.9	1238.3	1242.2
22.5°	1140.7	1139.9	1135.2	1131.2	1136.0
25°	947.0	970.6	974.6	963.6	939.2
27.5°	688.0	743.1	762.8	736.8	692.0
30°	484.1	510.1	542.4	491.2	485.7
32.5°	292.1	299.1	329.1	293.6	285.8
35°	149.6	155.1	174.8	149.6	140.9
37.5°	70.1	73.2	81.1	70.1	65.3
40°	34.6	38.6	43.3	36.2	33.1
42.5°	15.0	19.7	25.2	18.9	13.4
45°	3.9	7.9	14.2	7.9	3.9
47.5°	2.4	3.1	7.9	3.1	2.4
50°	2.4	2.4	3.9	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	1.6	2.4	1.6	2.4	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)