

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: P1312493

Luminaire Tested: P3SQAS13R509727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312493
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: P3SQAS13R509727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

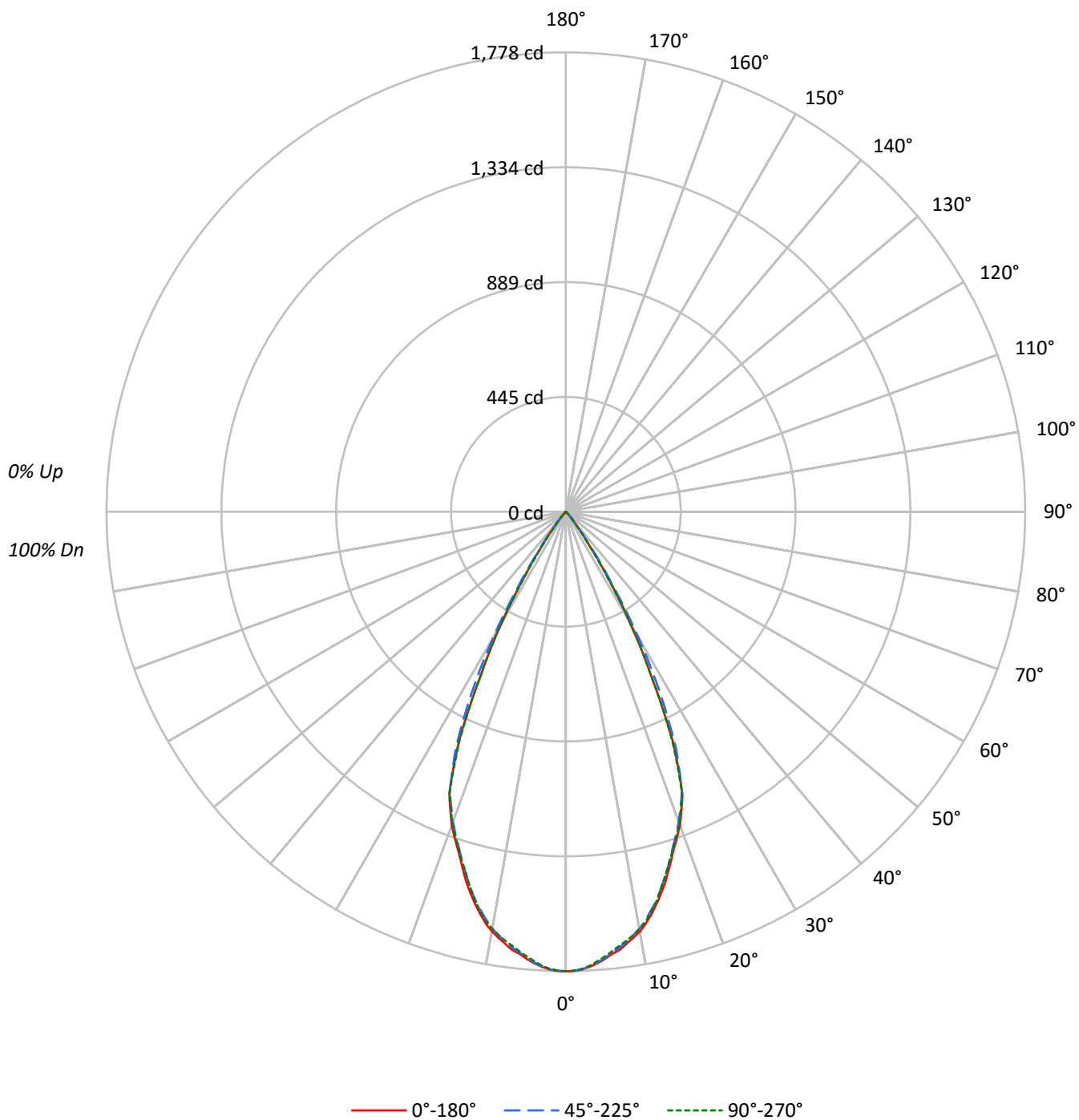
Lumens per Lamp: N/A
Luminaire Lumens: 1145.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1312493

CATALOG NUMBER: P3SQAS13R509727DE010 E3SQCD1MW

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	80	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	71	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°	306264	306264	306264
5°	300259	299688	298859
10°	288499	286522	286662
15°	264844	262383	262098
20°	236609	234079	235271
25°	185960	191376	184421
30°	99492	111464	99811
35°	32504	37970	30612
40°	8049	10049	7689
45°	999	3556	999
50°	643	1099	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: 3556 cd/sqm

TEST NUMBER: P1312493

CATALOG NUMBER: P3SQAS13R509727DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	14.2
10°-20°	411.3	35.9
20°-30°	432.5	37.7
30°-40°	124.7	10.9
40°-50°	10.1	0.9
50°-60°	2.2	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°	1006.4	87.8
0°-40°	1131.0	98.7
0°-60°	1143.3	99.8
0°-90°	1145.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1737	1736	1734	1735	1729	163
15°	1485	1476	1472	1472	1470	414
25°	979	1003	1007	996	970	424
35°	155	160	181	155	146	119
45°	4	8	15	8	4	8
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: P1312493

CATALOG NUMBER: P3SQAS13R509727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1778.3	1778.3	1778.3	1778.3	1778.3
1°	1777.5	1779.1	1775.8	1781.5	1776.7
2°	1773.4	1774.2	1772.6	1776.7	1770.1
3°	1763.6	1765.3	1762.0	1765.3	1759.6
4°	1752.2	1752.2	1749.0	1751.4	1744.1
5°	1736.8	1736.0	1733.5	1735.2	1728.7
6°	1720.5	1719.7	1715.6	1715.6	1710.8
7°	1708.3	1702.6	1699.4	1698.6	1693.7
8°	1688.8	1687.2	1680.7	1680.7	1677.4
9°	1669.3	1667.6	1660.3	1661.9	1659.5
10°	1649.7	1644.1	1638.4	1639.2	1639.2
11°	1623.7	1618.8	1610.7	1614.0	1615.6
12°	1592.8	1587.1	1579.8	1586.3	1585.5
13°	1558.6	1553.8	1548.1	1552.9	1551.3
14°	1522.8	1515.5	1510.6	1513.9	1512.3
15°	1485.4	1475.7	1471.6	1471.6	1470.0
17.5°	1380.5	1374.8	1370.7	1368.3	1374.0
20°	1291.0	1286.1	1277.2	1279.6	1283.7
22.5°	1178.7	1177.9	1173.0	1169.0	1173.9
25°	978.6	1003.0	1007.1	995.7	970.5
27.5°	711.0	767.9	788.3	761.4	715.1
30°	500.3	527.1	560.5	507.6	501.9
32.5°	301.8	309.1	340.0	303.4	295.3
35°	154.6	160.3	180.6	154.6	145.6
37.5°	72.4	75.7	83.8	72.4	67.5
40°	35.8	39.9	44.7	37.4	34.2
42.5°	15.5	20.3	26.0	19.5	13.8
45°	4.1	8.1	14.6	8.1	4.1
47.5°	2.4	3.3	8.1	3.3	2.4
50°	2.4	2.4	4.1	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



TEST NUMBER: P1312493

CATALOG NUMBER: P3SQAS13R509727DE010 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)