

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: P1305396

Luminaire Tested: P3SQAS02R209024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

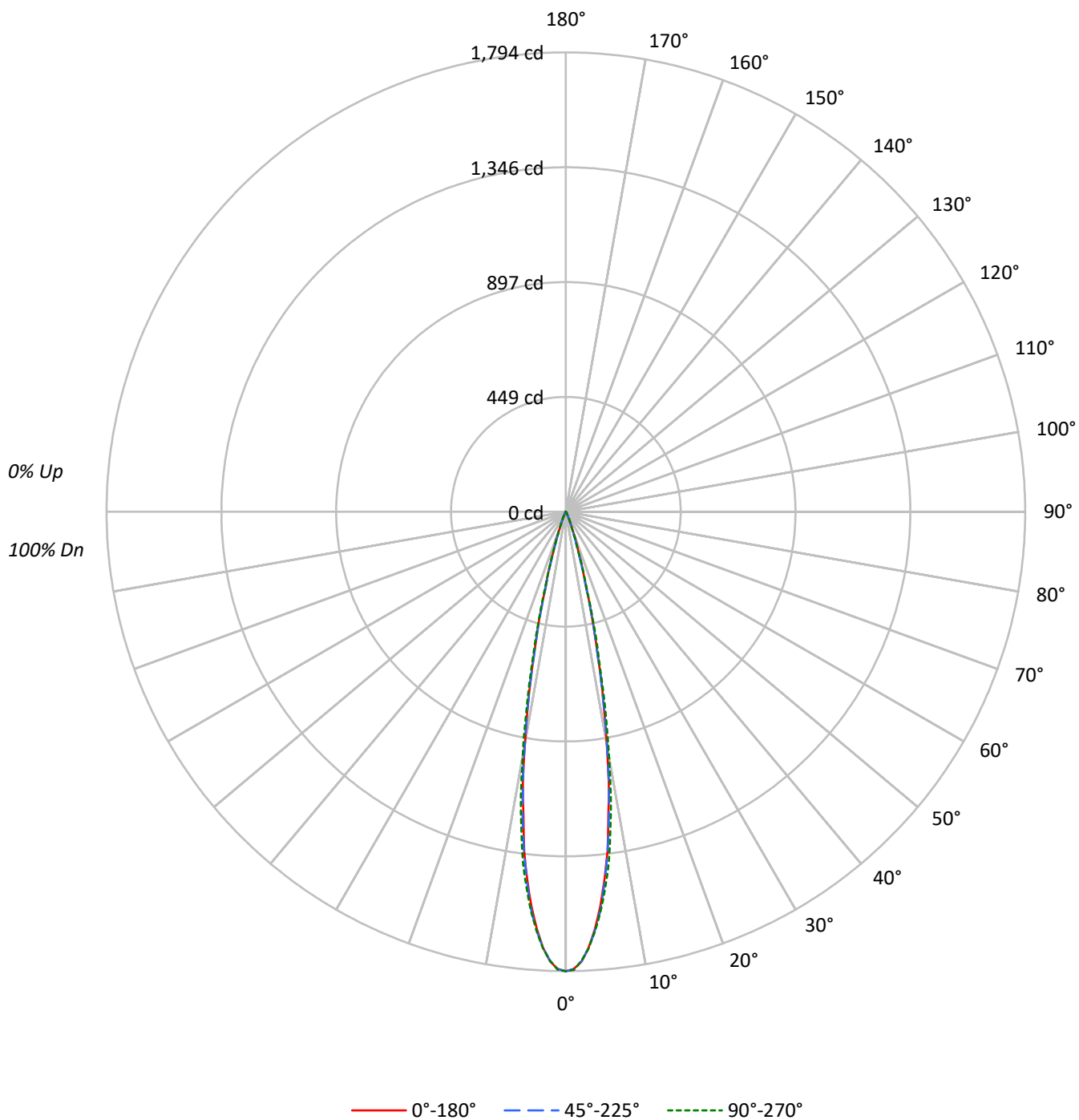
Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

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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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	309019	309019	309019
5°	266962	269452	270454
10°	160714	162201	170280
15°	55593	54292	58607
20°	14607	13727	13764
25°	3173	3839	4371
30°	1372	1372	1412
35°	778	673	715
40°	337	382	427
45°	97	146	146
50°	54	54	54
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	53.3
10°-20°	97.7	40.5
20°-30°	12.1	5.0
30°-40°	2.3	0.9
40°-50°	0.5	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	238.1	98.8
0°-40°	240.4	99.8
0°-60°	241.0	100.0
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1794	1794	1794	1794	1794	
5°	1544	1543	1559	1558	1564	127
15°	312	301	304	323	329	98
25°	17	19	20	21	23	12
35°	4	4	3	3	3	2
45°	0	1	1	1	1	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1794.3	1794.3	1794.3	1794.3	1794.3
1°	1785.9	1783.8	1785.5	1781.9	1789.4
2°	1757.4	1755.2	1755.2	1753.1	1754.2
3°	1704.1	1707.6	1705.4	1700.9	1706.7
4°	1631.6	1635.4	1638.9	1639.1	1639.9
5°	1544.2	1543.1	1558.6	1557.5	1564.4
6°	1444.6	1443.3	1449.9	1461.1	1474.8
7°	1335.1	1319.4	1337.2	1359.7	1378.2
8°	1193.3	1197.4	1209.7	1236.3	1251.1
9°	1073.1	1049.3	1075.3	1107.0	1123.1
10°	919.0	899.6	927.5	961.0	973.7
12.5°	578.4	561.7	570.7	605.9	611.5
15°	311.8	300.6	304.5	322.7	328.7
17.5°	159.1	149.0	146.9	158.5	159.7
20°	79.7	77.3	74.9	76.0	75.1
22.5°	36.9	40.2	39.7	37.6	40.2
25°	16.7	19.1	20.2	21.0	23.0
27.5°	10.3	9.9	11.4	12.2	12.5
30°	6.9	6.7	6.9	7.1	7.1
32.5°	4.9	4.7	4.5	4.5	4.7
35°	3.7	3.7	3.2	3.4	3.4
37.5°	2.6	2.6	2.4	2.6	2.6
40°	1.5	1.7	1.7	1.7	1.9
42.5°	0.9	1.1	1.1	1.1	1.1
45°	0.4	0.6	0.6	0.6	0.6
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)