

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: P1313702

Luminaire Tested: P3SQAS20R259730D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259730D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

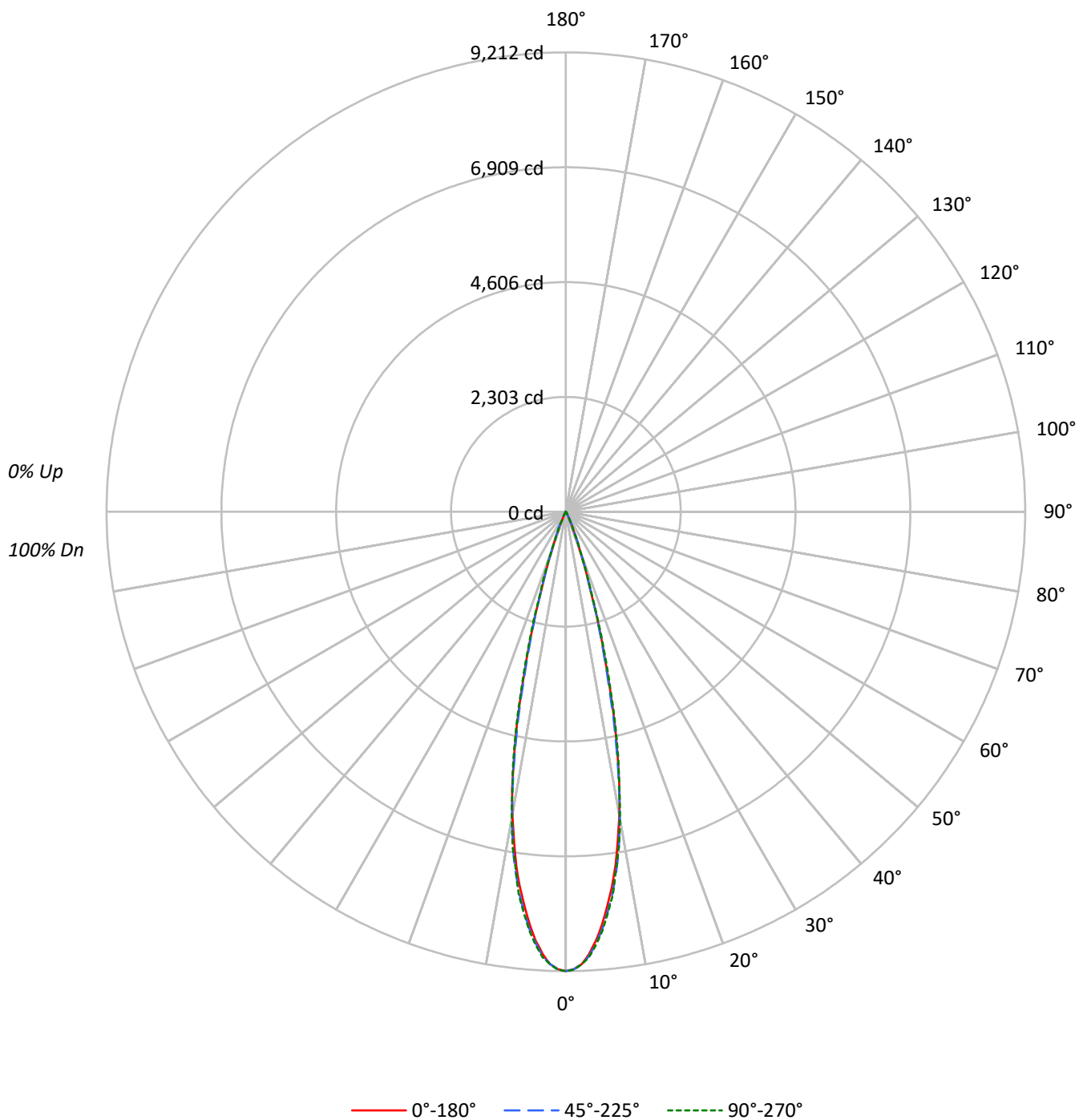
Lumens per Lamp: N/A
Luminaire Lumens: 1700.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1313702

CATALOG NUMBER: P3SQAS20R259730D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313702

CATALOG NUMBER: P3SQAS20R259730D010 E3SQPH1MW

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	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1586429	1586429	1586429
5°	1437622	1450709	1457798
10°	1080738	1088432	1093469
15°	535126	519168	553776
20°	151129	153622	155289
25°	26205	49540	31107
30°	10242	10560	10858
35°	3196	3511	3511
40°	1012	1371	1012
45°	731	365	731
50°	402	0	402
55°	450	0	450
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: 0°

Vertical Angle: 45°

Luminance: 731 cd/sqm

TEST NUMBER: P1313702

CATALOG NUMBER: P3SQAS20R259730D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.8	43.0
10°-20°	825.2	48.5
20°-30°	128.0	7.5
30°-40°	13.0	0.8
40°-50°	1.7	0.1
50°-60°	0.3	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°	1685.0	99.1
0°-40°	1698.0	99.9
0°-60°	1700.0	100.0
0°-90°	1700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9212	9212	9212	9212	9212	
5°	8316	8331	8391	8425	8432	725
15°	3001	2980	2912	3042	3106	822
25°	138	205	261	199	164	116
35°	15	17	17	18	17	12
45°	3	2	2	2	3	2
55°	2	0	0	0	2	1
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	

TEST NUMBER: P1313702

CATALOG NUMBER: P3SQAS20R259730D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9211.5	9211.5	9211.5	9211.5	9211.5
1°	9173.6	9185.7	9172.1	9187.2	9185.7
2°	9078.1	9090.2	9073.5	9082.6	9082.6
3°	8882.6	8908.3	8923.5	8934.1	8943.2
4°	8624.9	8653.7	8676.4	8703.7	8703.7
5°	8315.7	8330.8	8391.4	8424.8	8432.4
6°	7947.3	8007.9	8053.4	8120.1	8079.2
7°	7579.0	7629.0	7692.7	7703.3	7732.1
8°	7160.6	7213.7	7272.8	7262.2	7237.9
9°	6651.3	6728.6	6798.3	6775.6	6805.9
10°	6179.9	6226.9	6223.9	6201.1	6252.7
11°	5632.7	5643.3	5584.2	5676.7	5620.6
12°	4983.9	4993.0	4917.2	5008.2	5065.8
13°	4362.5	4341.2	4236.6	4356.4	4429.2
14°	3647.0	3654.6	3521.2	3753.1	3734.9
15°	3001.3	2980.1	2911.8	3042.2	3105.9
17.5°	1599.2	1612.8	1596.1	1661.3	1702.2
20°	824.6	847.3	838.2	865.5	847.3
22.5°	427.5	459.3	468.4	447.2	389.6
25°	137.9	204.6	260.7	198.6	163.7
27.5°	83.4	81.9	127.3	87.9	89.4
30°	51.5	50.0	53.1	53.1	54.6
32.5°	28.8	30.3	28.8	31.8	30.3
35°	15.2	16.7	16.7	18.2	16.7
37.5°	9.1	10.6	10.6	10.6	9.1
40°	4.5	6.1	6.1	4.5	4.5
42.5°	3.0	3.0	3.0	3.0	3.0
45°	3.0	1.5	1.5	1.5	3.0
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	1.5	0.0	1.5	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	1.5	0.0	0.0	0.0	1.5
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



TEST NUMBER: P1313702

CATALOG NUMBER: P3SQAS20R259730D010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)