

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: P1317393

Luminaire Tested: P3SQAS20R259830D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259830D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

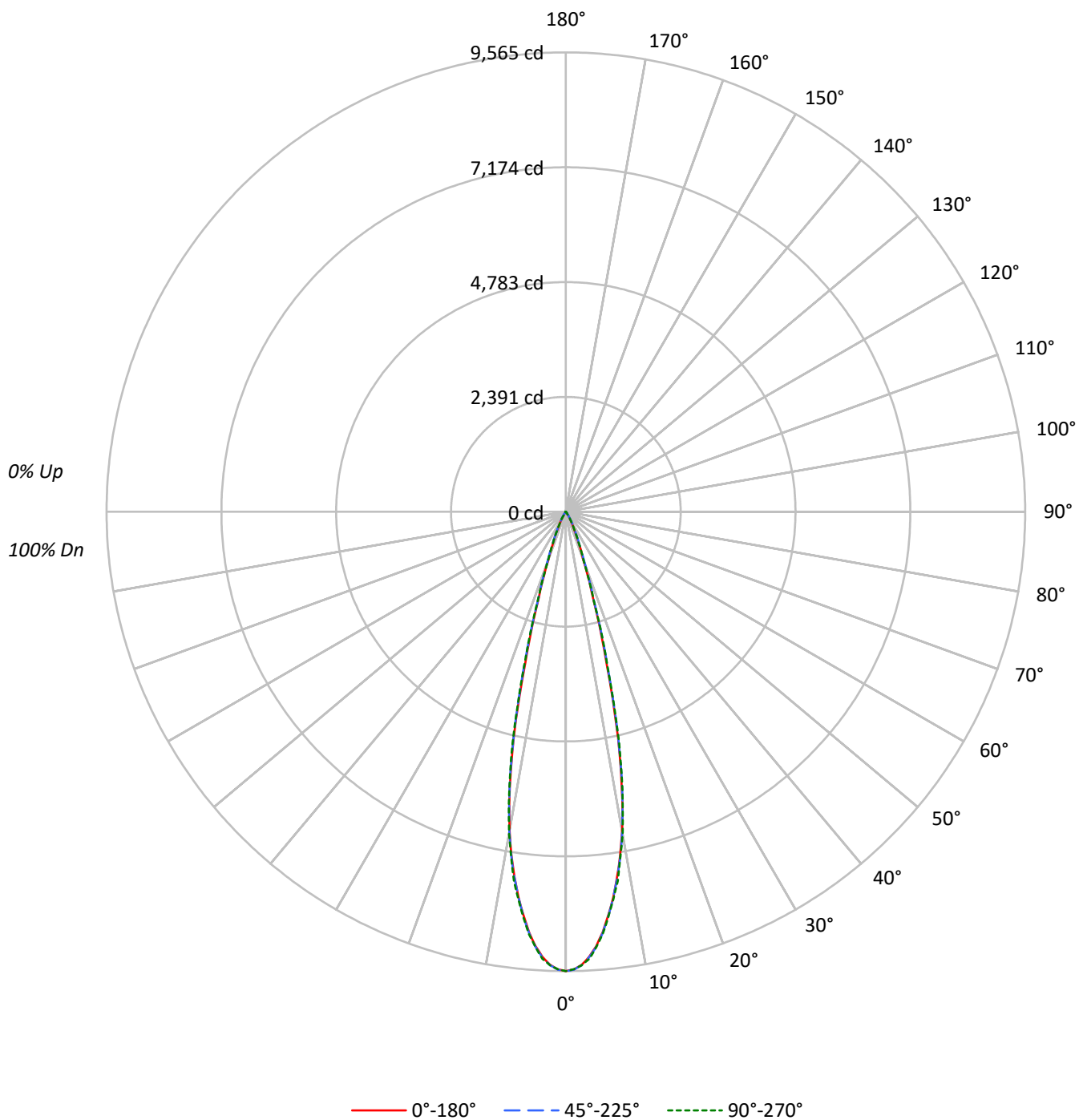
Lumens per Lamp: N/A
Luminaire Lumens: 1991.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1317393

CATALOG NUMBER: P3SQAS20R259830D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317393

CATALOG NUMBER: P3SQAS20R259830D010 E3SQCD1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	110	113	111	110	108	107	106	105		103	103	102		100	99	99	97
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94	92	90	89
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92	90	88	87
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88	85	83	82
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86	83	81	80
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84	81	79	78
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82	79	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1647327	1647327	1647327
5°	1518945	1522368	1525549
10°	1179352	1183637	1190037
15°	582820	607336	607604
20°	196251	209411	200155
25°	81274	90263	83593
30°	31898	40091	32196
35°	8347	16378	8662
40°	3080	6520	3080
45°	365	1851	365
50°	0	402	0
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: 45°

Vertical Angle: 45°

Luminance: 1851 cd/sqm

TEST NUMBER: P1317393

CATALOG NUMBER: P3SQAS20R259830D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.1	38.9
10°-20°	937.5	47.1
20°-30°	228.9	11.5
30°-40°	44.5	2.2
40°-50°	5.0	0.3
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°	1941.4	97.5
0°-40°	1985.9	99.7
0°-60°	1991.0	100.0
0°-90°	1991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1991.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9565	9565	9565	9565	9565	
5°	8786	8798	8806	8844	8824	773
15°	3269	3347	3406	3440	3408	921
25°	428	451	475	455	440	218
35°	40	56	78	56	41	35
45°	2	5	8	5	2	3
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	

TEST NUMBER: P1317393

CATALOG NUMBER: P3SQAS20R259830D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9565.1	9565.1	9565.1	9565.1	9565.1
1°	9528.4	9534.5	9536.1	9545.2	9526.9
2°	9441.4	9442.9	9447.5	9465.8	9449.0
3°	9281.0	9291.7	9293.2	9317.6	9322.2
4°	9062.5	9068.7	9080.9	9122.1	9085.5
5°	8786.1	8798.3	8805.9	8844.1	8824.3
6°	8443.9	8447.0	8463.8	8508.1	8480.6
7°	8095.7	8094.1	8095.7	8130.8	8123.1
8°	7675.6	7668.0	7692.4	7735.2	7764.2
9°	7237.2	7247.9	7263.2	7304.4	7270.8
10°	6743.8	6772.9	6768.3	6771.3	6804.9
11°	6175.6	6184.8	6186.3	6218.4	6213.8
12°	5508.1	5508.1	5558.5	5610.4	5593.6
13°	4834.5	4881.8	4848.2	4858.9	4926.1
14°	4049.4	4086.0	4131.8	4174.6	4141.0
15°	3268.8	3346.7	3406.3	3439.9	3407.8
17.5°	1872.7	1898.7	1949.1	1955.2	1935.3
20°	1070.8	1102.8	1142.6	1130.3	1092.1
22.5°	673.6	682.8	722.5	702.6	693.5
25°	427.7	450.6	475.0	455.2	439.9
27.5°	265.8	281.1	307.0	285.6	268.8
30°	160.4	174.1	201.6	172.6	161.9
32.5°	84.0	103.9	126.8	105.4	84.0
35°	39.7	56.5	77.9	56.5	41.2
37.5°	24.4	30.5	47.4	30.5	24.4
40°	13.7	19.9	29.0	19.9	13.7
42.5°	6.1	10.7	13.7	10.7	7.6
45°	1.5	4.6	7.6	4.6	1.5
47.5°	0.0	0.0	4.6	1.5	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1317393

CATALOG NUMBER: P3SQAS20R259830D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)