

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: P1318274

Luminaire Tested: P3SQAS20R259835D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318274
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: P3SQAS20R259835D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

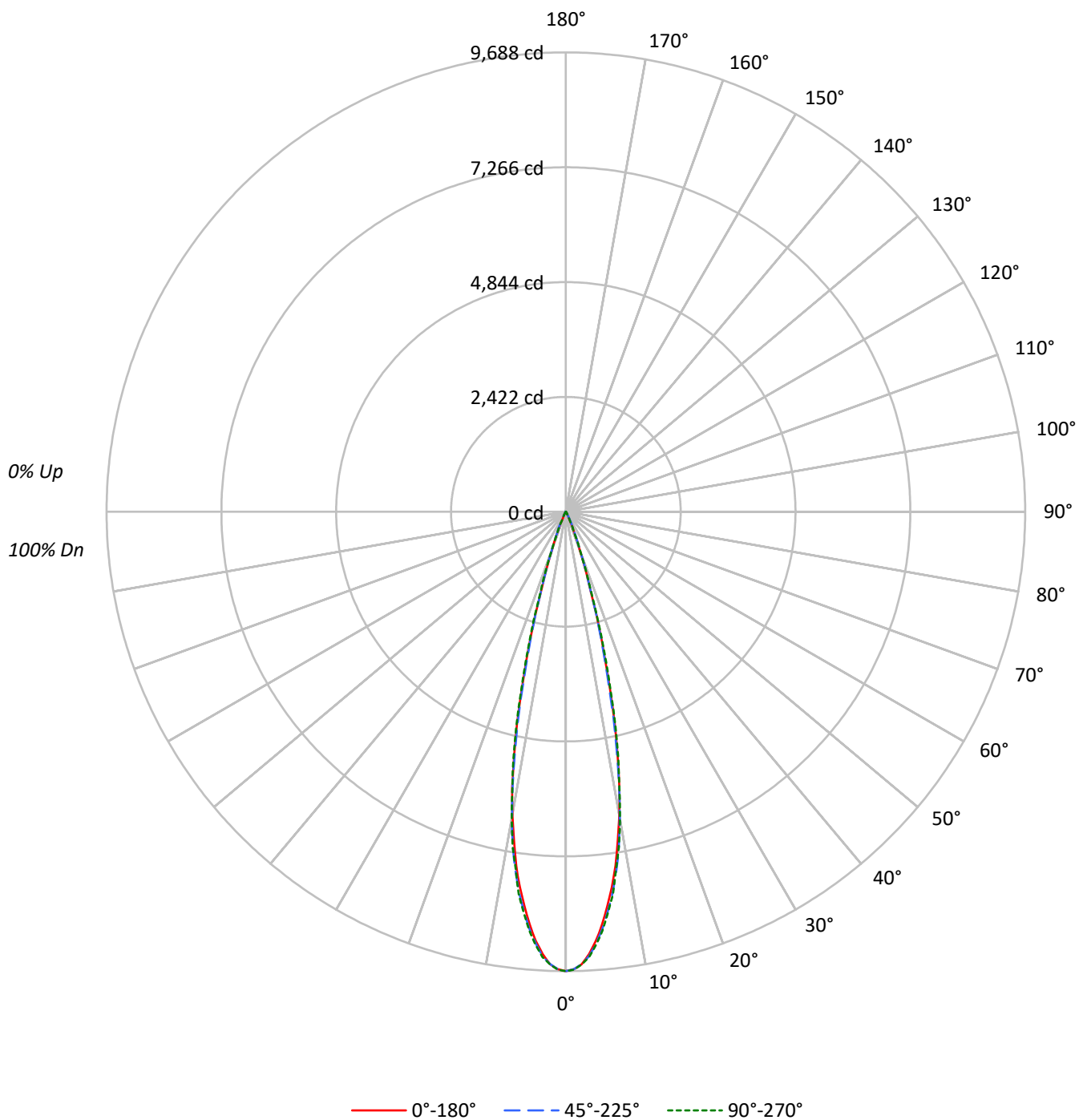
Lumens per Lamp: N/A
Luminaire Lumens: 1788.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1318274

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318274

CATALOG NUMBER: P3SQAS20R259835D010 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°	1668545	1668545	1668545
5°	1512030	1525809	1533260
10°	1136681	1144761	1150060
15°	562815	546055	582428
20°	158955	161576	163335
25°	27573	52105	32723
30°	10779	11097	11415
35°	3343	3679	3679
40°	1079	1439	1079
45°	779	390	779
50°	429	0	429
55°	480	0	480
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: 779 cd/sqm

TEST NUMBER: P1318274

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.6	43.0
10°-20°	868.0	48.5
20°-30°	134.6	7.5
30°-40°	13.6	0.8
40°-50°	1.9	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°	1772.2	99.1
0°-40°	1785.9	99.9
0°-60°	1788.0	100.0
0°-90°	1788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9688	9688	9688	9688	9688	
5°	8746	8762	8826	8861	8869	762
15°	3157	3134	3063	3200	3267	865
25°	145	215	274	209	172	122
35°	16	18	18	19	18	13
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: P1318274

CATALOG NUMBER: P3SQAS20R259835D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9688.3	9688.3	9688.3	9688.3	9688.3
1°	9648.5	9661.2	9646.9	9662.8	9661.2
2°	9548.0	9560.8	9543.2	9552.8	9552.8
3°	9342.4	9369.5	9385.4	9396.6	9406.1
4°	9071.3	9101.6	9125.5	9154.2	9154.2
5°	8746.1	8762.1	8825.8	8860.9	8868.9
6°	8358.7	8422.5	8470.3	8540.4	8497.4
7°	7971.3	8023.9	8090.9	8102.0	8132.3
8°	7531.3	7587.1	7649.3	7638.1	7612.6
9°	6995.6	7076.9	7150.3	7126.3	7158.2
10°	6499.8	6549.2	6546.0	6522.1	6576.3
11°	5924.3	5935.4	5873.3	5970.5	5911.5
12°	5241.9	5251.5	5171.8	5267.4	5328.0
13°	4588.3	4566.0	4456.0	4581.9	4658.4
14°	3835.8	3843.8	3703.5	3947.4	3928.3
15°	3156.6	3134.3	3062.6	3199.7	3266.6
17.5°	1681.9	1696.3	1678.8	1747.3	1790.4
20°	867.3	891.2	881.6	910.3	891.2
22.5°	449.6	483.1	492.6	470.3	409.7
25°	145.1	215.2	274.2	208.8	172.2
27.5°	87.7	86.1	133.9	92.5	94.1
30°	54.2	52.6	55.8	55.8	57.4
32.5°	30.3	31.9	30.3	33.5	31.9
35°	15.9	17.5	17.5	19.1	17.5
37.5°	9.6	11.2	11.2	11.2	9.6
40°	4.8	6.4	6.4	4.8	4.8
42.5°	3.2	3.2	3.2	3.2	3.2
45°	3.2	1.6	1.6	1.6	3.2
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	1.6	0.0	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
55°	1.6	0.0	0.0	0.0	1.6
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: P1318274

CATALOG NUMBER: P3SQAS20R259835D010 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)