

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: P1309412

Luminaire Tested: P3SQAS20R259035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309412
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: P3SQAS20R259035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

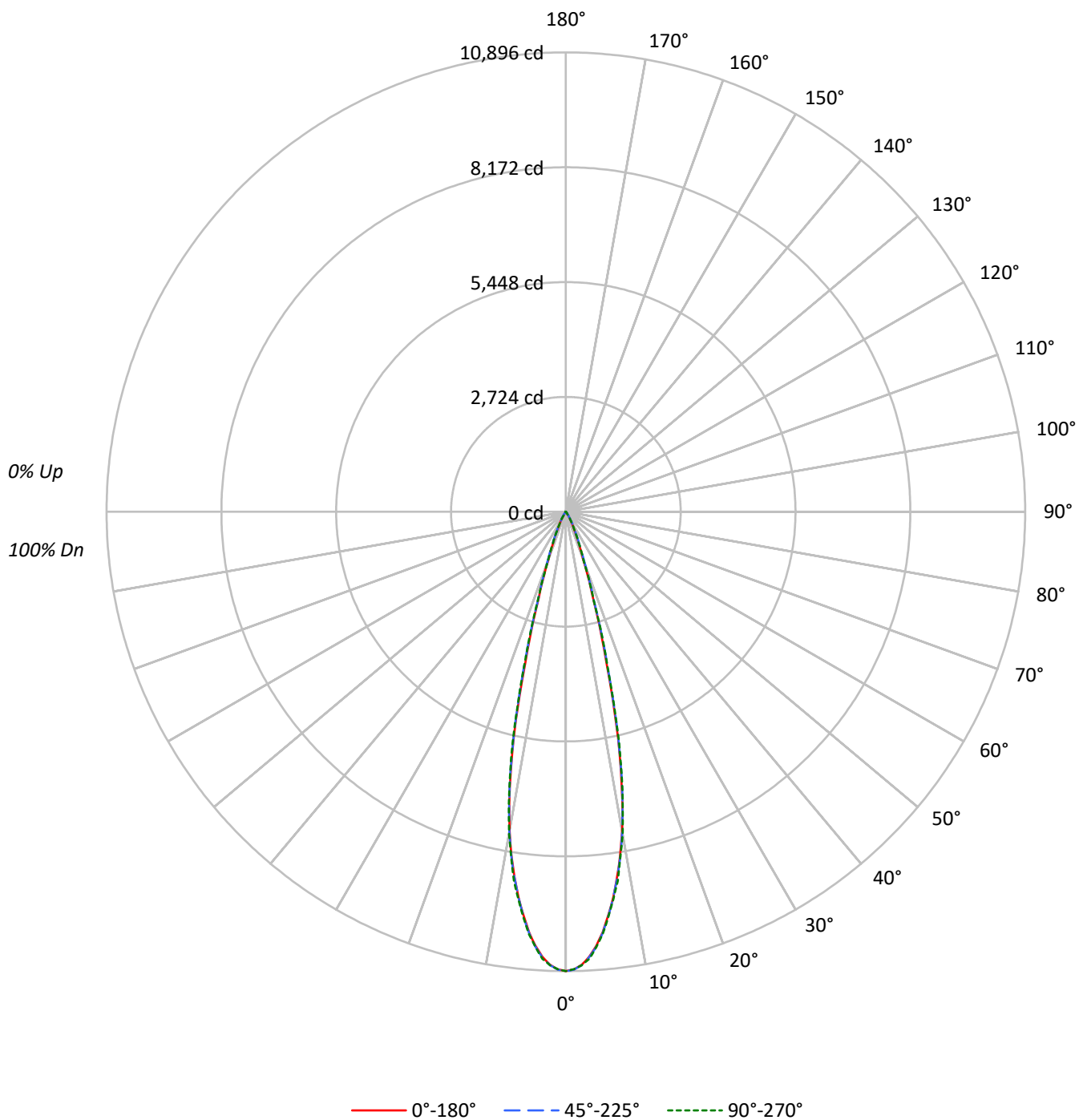
Lumens per Lamp: N/A
Luminaire Lumens: 2268.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	115	113	111	110	113	111	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1876503	1876503	1876503
5°	1730257	1734182	1737778
10°	1343441	1348303	1355613
15°	663910	691832	692135
20°	223541	238533	228013
25°	92581	102823	95222
30°	36333	45679	36671
35°	9503	18649	9882
40°	3530	7442	3530
45°	414	2119	414
50°	0	455	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: 2119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	882.9	38.9
10°-20°	1067.9	47.1
20°-30°	260.7	11.5
30°-40°	50.7	2.2
40°-50°	5.7	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°	2211.5	97.5
0°-40°	2262.2	99.7
0°-60°	2268.0	100.0
0°-90°	2268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10896	10896	10896	10896	10896	
5°	10008	10022	10031	10075	10052	880
15°	3724	3812	3880	3918	3882	1049
25°	487	513	541	518	501	248
35°	45	64	89	64	47	40
45°	2	5	9	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10895.8	10895.8	10895.8	10895.8	10895.8
1°	10854.1	10861.0	10862.8	10873.2	10852.3
2°	10754.9	10756.6	10761.9	10782.7	10763.6
3°	10572.2	10584.4	10586.1	10614.0	10619.2
4°	10323.4	10330.3	10344.3	10391.2	10349.5
5°	10008.4	10022.4	10031.1	10074.6	10051.9
6°	9618.7	9622.2	9641.3	9691.8	9660.4
7°	9222.0	9220.2	9222.0	9262.0	9253.3
8°	8743.5	8734.8	8762.6	8811.3	8844.4
9°	8244.1	8256.3	8273.7	8320.7	8282.4
10°	7682.1	7715.1	7709.9	7713.4	7751.7
11°	7034.8	7045.2	7047.0	7083.5	7078.3
12°	6274.4	6274.4	6331.8	6391.0	6371.9
13°	5507.1	5561.0	5522.7	5534.9	5611.5
14°	4612.7	4654.5	4706.7	4755.4	4717.1
15°	3723.6	3812.3	3880.2	3918.5	3881.9
17.5°	2133.2	2162.8	2220.2	2227.2	2204.6
20°	1219.7	1256.3	1301.5	1287.6	1244.1
22.5°	767.3	777.8	823.0	800.4	790.0
25°	487.2	513.3	541.1	518.5	501.1
27.5°	302.8	320.2	349.7	325.4	306.2
30°	182.7	198.4	229.7	196.6	184.4
32.5°	95.7	118.3	144.4	120.1	95.7
35°	45.2	64.4	88.7	64.4	47.0
37.5°	27.8	34.8	53.9	34.8	27.8
40°	15.7	22.6	33.1	22.6	15.7
42.5°	7.0	12.2	15.7	12.2	8.7
45°	1.7	5.2	8.7	5.2	1.7
47.5°	0.0	0.0	5.2	1.7	0.0
50°	0.0	0.0	1.7	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)