

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: P1315641

Luminaire Tested: P3SQAS20R259740D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315641
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: P3SQAS20R259740D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

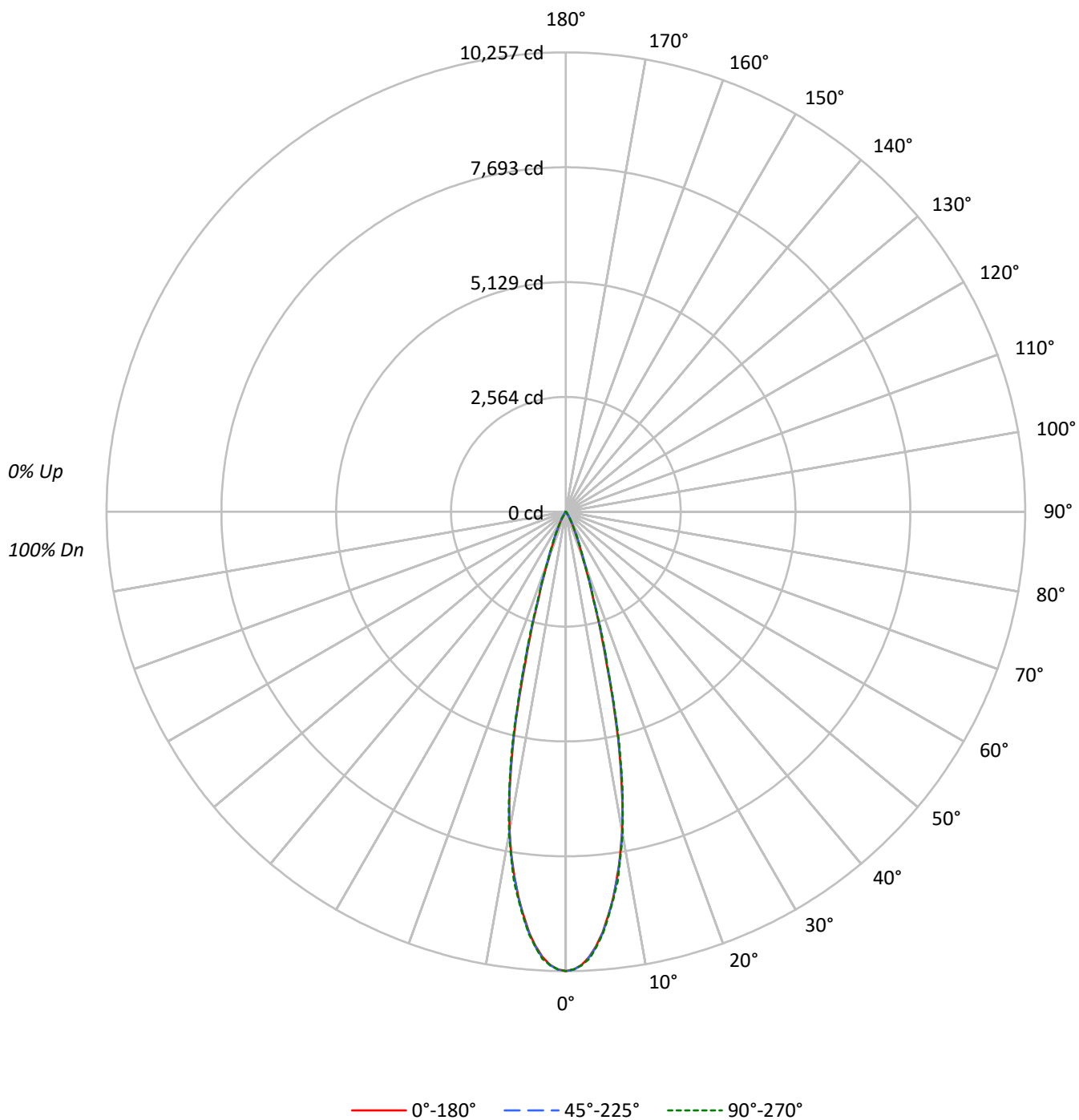
Lumens per Lamp: N/A
Luminaire Lumens: 2135.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1766470	1766470	1766470
5°	1628794	1632476	1635882
10°	1264658	1269240	1276113
15°	624970	651251	651554
20°	210437	224549	214634
25°	87146	96800	89636
30°	34205	42995	34523
35°	8956	17555	9293
40°	3305	6992	3305
45°	390	1997	390
50°	0	429	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: 1997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.1	38.9
10°-20°	1005.3	47.1
20°-30°	245.4	11.5
30°-40°	47.7	2.2
40°-50°	5.4	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°	2081.8	97.5
0°-40°	2129.5	99.7
0°-60°	2135.0	100.0
0°-90°	2135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10257	10257	10257	10257	10257	
5°	9422	9435	9443	9484	9462	829
15°	3505	3589	3653	3689	3654	987
25°	459	483	509	488	472	233
35°	43	61	84	61	44	38
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10256.9	10256.9	10256.9	10256.9	10256.9
1°	10217.6	10224.1	10225.8	10235.6	10215.9
2°	10124.2	10125.9	10130.8	10150.4	10132.4
3°	9952.2	9963.7	9965.3	9991.5	9996.5
4°	9718.0	9724.6	9737.7	9781.9	9742.6
5°	9421.5	9434.6	9442.8	9483.8	9462.5
6°	9054.6	9057.9	9075.9	9123.4	9093.9
7°	8681.2	8679.5	8681.2	8718.8	8710.7
8°	8230.7	8222.5	8248.8	8294.6	8325.7
9°	7760.6	7772.1	7788.5	7832.7	7796.7
10°	7231.6	7262.7	7257.8	7261.1	7297.1
11°	6622.3	6632.1	6633.7	6668.1	6663.2
12°	5906.5	5906.5	5960.5	6016.2	5998.2
13°	5184.1	5234.9	5198.9	5210.3	5282.4
14°	4342.2	4381.5	4430.7	4476.5	4440.5
15°	3505.2	3588.8	3652.6	3688.7	3654.3
17.5°	2008.1	2036.0	2090.0	2096.6	2075.3
20°	1148.2	1182.6	1225.2	1212.1	1171.1
22.5°	722.3	732.2	774.8	753.5	743.6
25°	458.6	483.2	509.4	488.1	471.7
27.5°	285.0	301.4	329.2	306.3	288.3
30°	172.0	186.7	216.2	185.1	173.6
32.5°	90.1	111.4	136.0	113.0	90.1
35°	42.6	60.6	83.5	60.6	44.2
37.5°	26.2	32.8	50.8	32.8	26.2
40°	14.7	21.3	31.1	21.3	14.7
42.5°	6.6	11.5	14.7	11.5	8.2
45°	1.6	4.9	8.2	4.9	1.6
47.5°	0.0	0.0	4.9	1.6	0.0
50°	0.0	0.0	1.6	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)