

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: P1310693

Luminaire Tested: P3SQAS24R309040D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309040D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

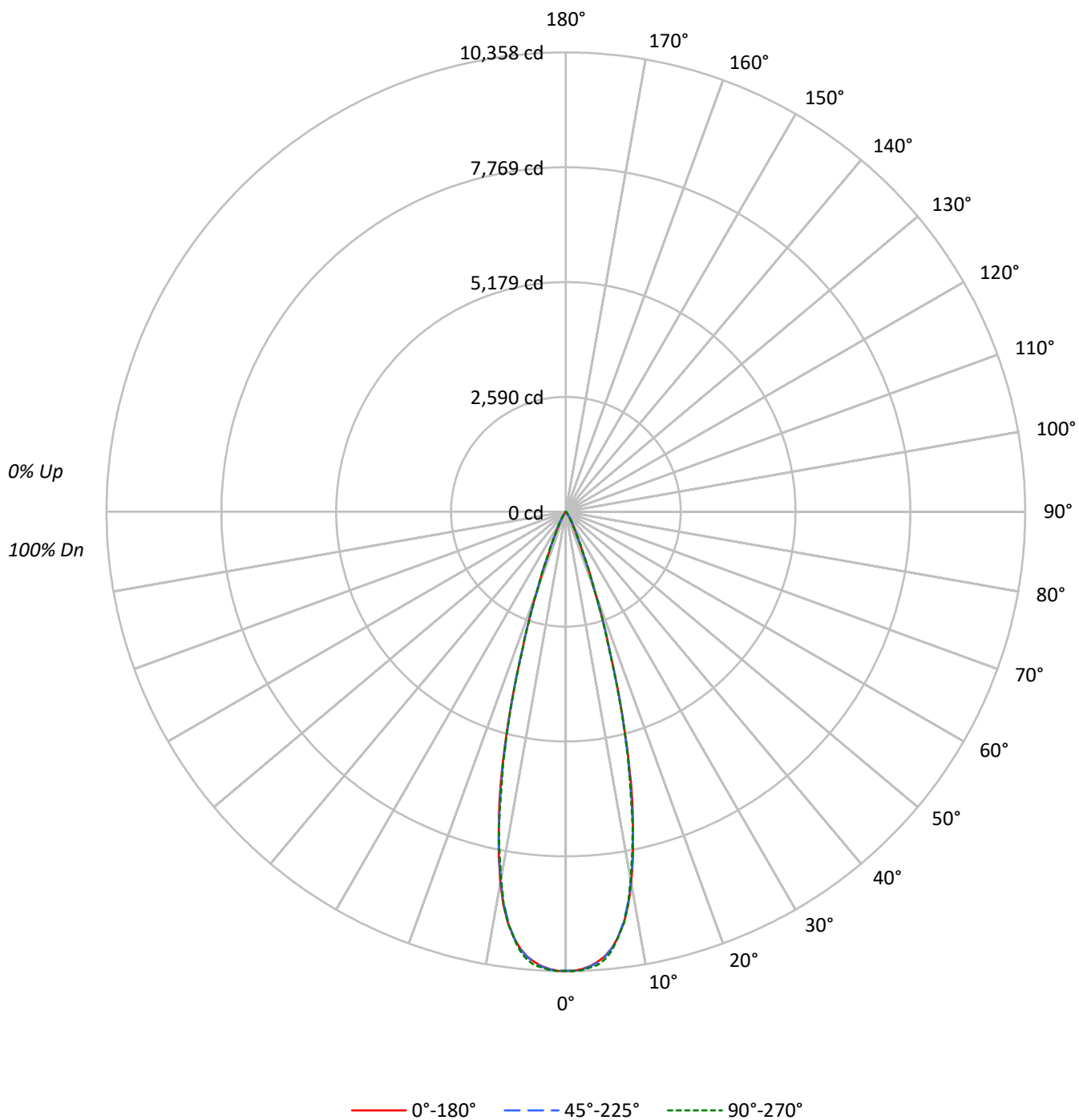
Lumens per Lamp: N/A
Luminaire Lumens: 2671.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1782745	1782745	1782745
5°	1739282	1741425	1751124
10°	1485461	1478571	1469844
15°	916701	905968	909302
20°	346464	348370	347985
25°	106586	116847	111318
30°	42955	54529	44625
35°	12657	23148	13098
40°	5148	9330	5148
45°	1023	3044	1023
50°	0	563	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: 3044 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.0	34.2
10°-20°	1351.8	50.6
20°-30°	335.3	12.6
30°-40°	62.9	2.4
40°-50°	7.9	0.3
50°-60°	0.1	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°	2600.1	97.3
0°-40°	2663.0	99.7
0°-60°	2671.0	100.0
0°-90°	2671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10351	10351	10351	10351	10351	
5°	10061	10056	10073	10090	10129	914
15°	5141	5092	5081	5121	5100	1358
25°	561	598	615	613	586	323
35°	60	79	110	81	62	51
45°	4	6	12	8	4	5
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°	10351.4	10351.4	10351.4	10351.4	10351.4
1°	10355.5	10347.2	10347.2	10334.8	10357.6
2°	10318.1	10309.8	10324.4	10314.0	10343.1
3°	10262.1	10251.7	10272.4	10278.7	10293.2
4°	10179.0	10170.7	10193.5	10206.0	10245.4
5°	10060.6	10056.4	10073.0	10089.6	10129.1
6°	9898.5	9892.3	9902.7	9923.4	9948.4
7°	9663.8	9651.3	9659.6	9663.8	9670.0
8°	9366.7	9348.0	9337.6	9360.5	9373.0
9°	8984.5	8963.7	8940.9	8932.6	8961.6
10°	8494.2	8463.1	8454.8	8434.0	8404.9
11°	7925.0	7900.1	7893.9	7856.5	7839.9
12°	7272.8	7260.3	7274.8	7252.0	7243.7
13°	6647.5	6568.5	6558.2	6514.5	6491.7
14°	5908.0	5835.2	5833.2	5810.3	5841.5
15°	5141.4	5091.6	5081.2	5120.6	5099.9
17.5°	3278.0	3311.3	3303.0	3282.2	3246.9
20°	1890.4	1867.5	1900.8	1909.1	1898.7
22.5°	1007.5	1015.8	1022.1	1047.0	1063.6
25°	560.9	598.3	614.9	612.8	585.8
27.5°	349.0	371.8	403.0	382.2	359.4
30°	216.0	234.7	274.2	236.8	224.4
32.5°	116.3	147.5	176.6	147.5	120.5
35°	60.2	78.9	110.1	81.0	62.3
37.5°	39.5	45.7	70.6	45.7	39.5
40°	22.9	29.1	41.5	29.1	22.9
42.5°	10.4	16.6	22.9	16.6	10.4
45°	4.2	6.2	12.5	8.3	4.2
47.5°	0.0	2.1	6.2	2.1	0.0
50°	0.0	0.0	2.1	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)