

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: P1312259

Luminaire Tested: P3SQAS09R259727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312259
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: P3SQAS09R259727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

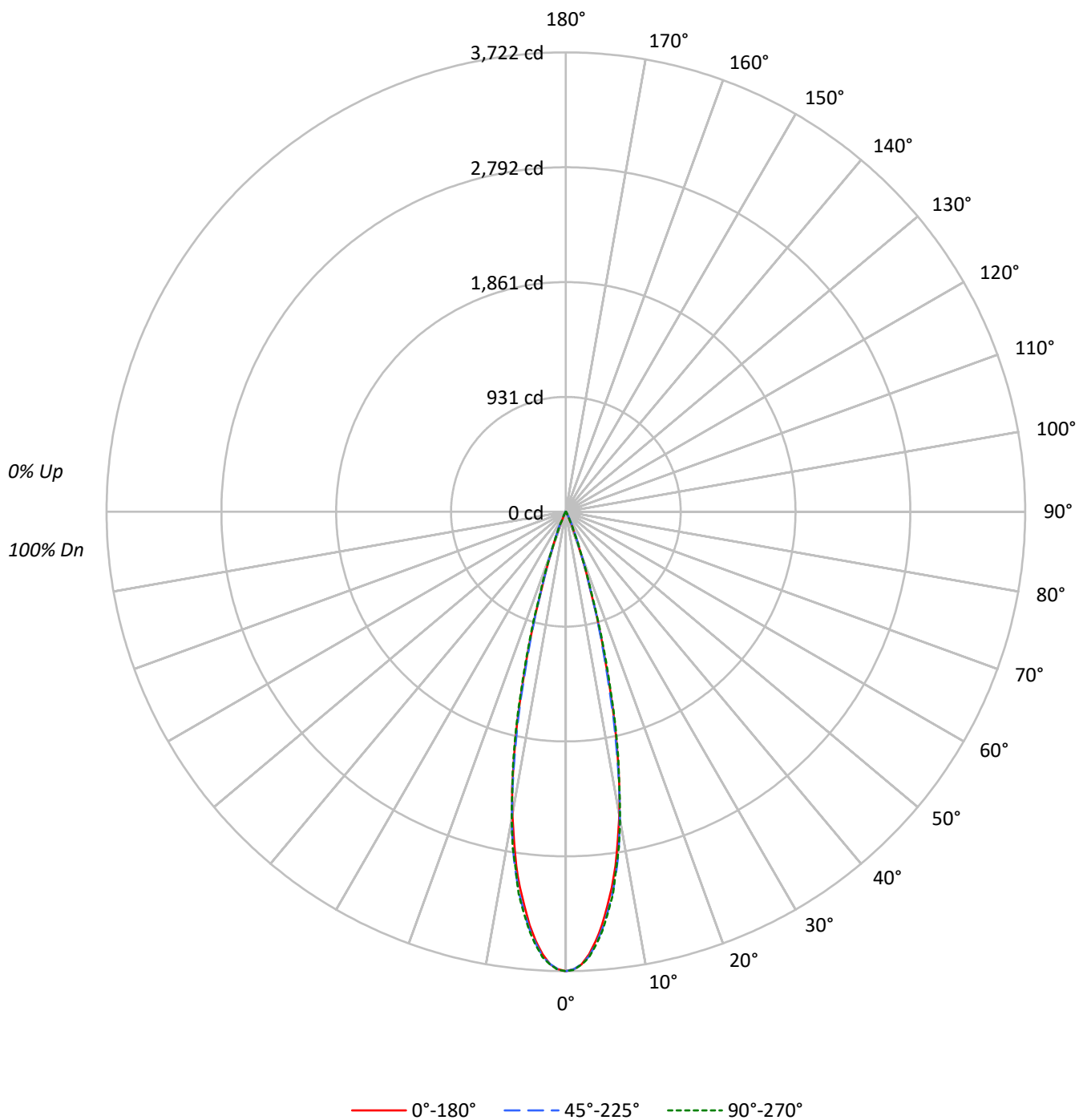
Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	641099	641099	641099
5°	580965	586255	589125
10°	436744	439857	441885
15°	216258	209803	223782
20°	61067	62075	62754
25°	10584	20029	12580
30°	4136	4256	4395
35°	1282	1409	1409
40°	405	562	405
45°	292	146	292
50°	161	0	161
55°	180	0	180
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: 292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.7	43.0
10°-20°	333.5	48.5
20°-30°	51.7	7.5
30°-40°	5.2	0.8
40°-50°	0.7	0.1
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°	680.9	99.1
0°-40°	686.2	99.9
0°-60°	687.0	100.0
0°-90°	687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3722	3722	3722	3722	3722	
5°	3360	3367	3391	3405	3408	293
15°	1213	1204	1177	1229	1255	332
25°	56	83	105	80	66	47
35°	6	7	7	7	7	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	3722.5	3722.5	3722.5	3722.5	3722.5
1°	3707.2	3712.1	3706.6	3712.7	3712.1
2°	3668.6	3673.5	3666.8	3670.5	3670.5
3°	3589.6	3600.0	3606.1	3610.4	3614.1
4°	3485.5	3497.1	3506.3	3517.3	3517.3
5°	3360.5	3366.6	3391.1	3404.6	3407.7
6°	3211.6	3236.2	3254.5	3281.5	3264.9
7°	3062.8	3083.0	3108.7	3113.0	3124.7
8°	2893.7	2915.2	2939.1	2934.8	2925.0
9°	2687.9	2719.2	2747.3	2738.1	2750.4
10°	2497.4	2516.4	2515.2	2506.0	2526.8
11°	2276.3	2280.6	2256.7	2294.0	2271.4
12°	2014.1	2017.8	1987.1	2023.9	2047.2
13°	1762.9	1754.4	1712.1	1760.5	1789.9
14°	1473.8	1476.9	1423.0	1516.7	1509.3
15°	1212.9	1204.3	1176.7	1229.4	1255.1
17.5°	646.3	651.8	645.0	671.4	687.9
20°	333.2	342.4	338.7	349.8	342.4
22.5°	172.7	185.6	189.3	180.7	157.4
25°	55.7	82.7	105.4	80.2	66.2
27.5°	33.7	33.1	51.5	35.5	36.1
30°	20.8	20.2	21.4	21.4	22.1
32.5°	11.6	12.3	11.6	12.9	12.3
35°	6.1	6.7	6.7	7.4	6.7
37.5°	3.7	4.3	4.3	4.3	3.7
40°	1.8	2.5	2.5	1.8	1.8
42.5°	1.2	1.2	1.2	1.2	1.2
45°	1.2	0.6	0.6	0.6	1.2
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.6	0.0	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
55°	0.6	0.0	0.0	0.0	0.6
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



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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)