

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: P1312728

Luminaire Tested: P3SQAS20R259727D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312728
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: P3SQAS20R259727D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

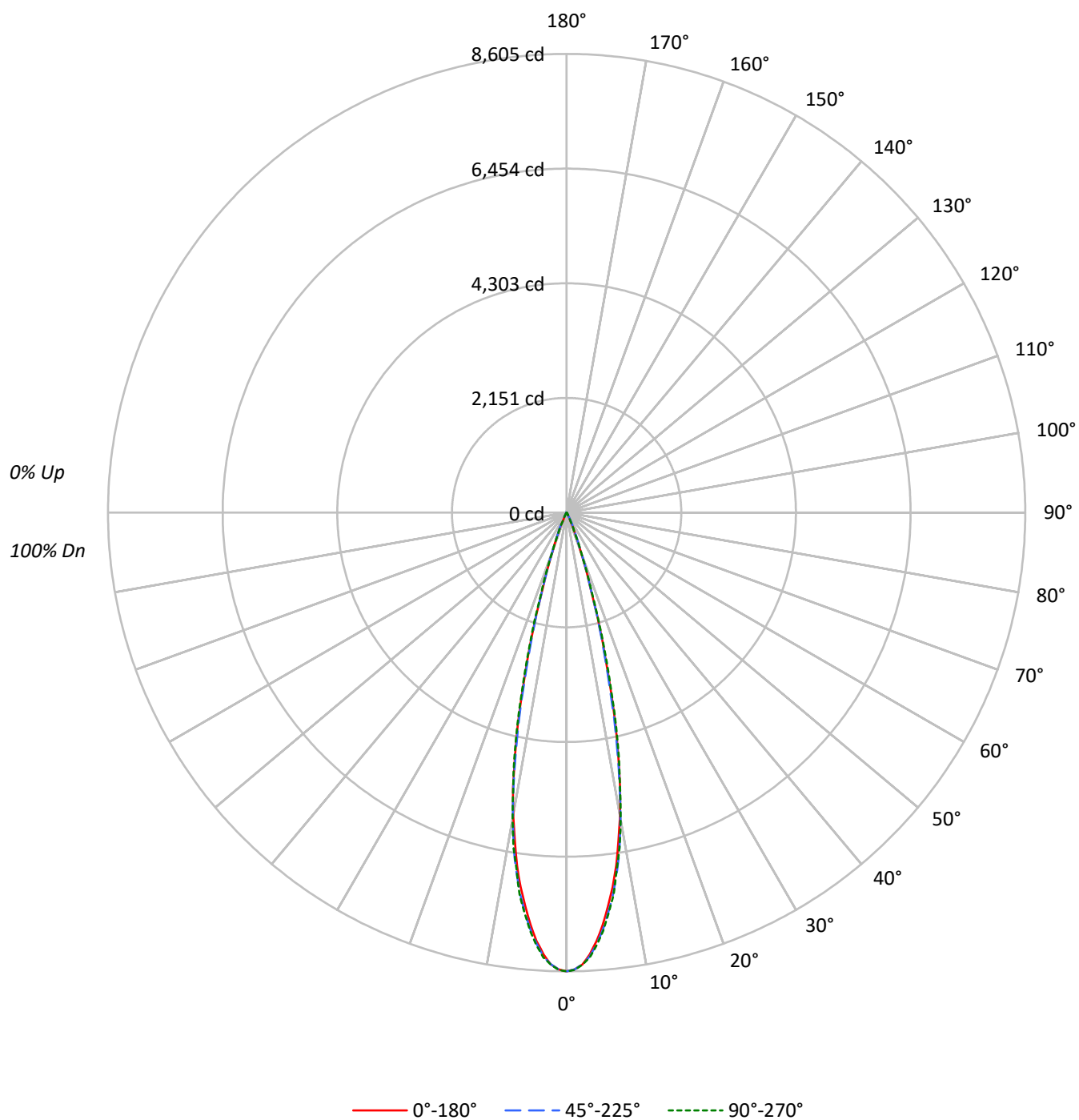
Lumens per Lamp: N/A
Luminaire Lumens: 1588.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1481907	1481907	1481907
5°	1342901	1355141	1361745
10°	1009527	1016714	1021418
15°	499858	484971	517278
20°	141177	143505	145063
25°	24475	46271	29055
30°	9565	9864	10142
35°	2985	3280	3280
40°	944	1281	944
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.5	43.0
10°-20°	770.9	48.5
20°-30°	119.6	7.5
30°-40°	12.1	0.8
40°-50°	1.6	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°	1574.0	99.1
0°-40°	1586.1	99.9
0°-60°	1588.0	100.0
0°-90°	1588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8605	8605	8605	8605	8605	
5°	7768	7782	7839	7870	7877	677
15°	2804	2784	2720	2842	2901	768
25°	129	191	244	186	153	108
35°	14	16	16	17	16	11
45°	3	1	1	1	3	2
55°	1	0	0	0	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8604.6	8604.6	8604.6	8604.6	8604.6
1°	8569.2	8580.5	8567.8	8582.0	8580.5
2°	8480.0	8491.3	8475.8	8484.3	8484.3
3°	8297.4	8321.4	8335.6	8345.5	8354.0
4°	8056.6	8083.5	8104.8	8130.3	8130.3
5°	7767.8	7782.0	7838.6	7869.7	7876.8
6°	7423.7	7480.4	7522.8	7585.1	7546.9
7°	7079.7	7126.4	7185.8	7195.8	7222.7
8°	6688.9	6738.4	6793.6	6783.7	6761.1
9°	6213.1	6285.3	6350.4	6329.2	6357.5
10°	5772.7	5816.6	5813.8	5792.6	5840.7
11°	5261.6	5271.5	5216.3	5302.7	5250.3
12°	4655.6	4664.1	4593.3	4678.2	4732.0
13°	4075.0	4055.2	3957.5	4069.4	4137.3
14°	3406.7	3413.8	3289.2	3505.8	3488.9
15°	2803.5	2783.7	2720.0	2841.8	2901.2
17.5°	1493.8	1506.6	1491.0	1551.9	1590.1
20°	770.3	791.5	783.0	808.5	791.5
22.5°	399.3	429.0	437.5	417.7	363.9
25°	128.8	191.2	243.5	185.5	152.9
27.5°	77.9	76.5	118.9	82.1	83.5
30°	48.1	46.7	49.6	49.6	51.0
32.5°	26.9	28.3	26.9	29.7	28.3
35°	14.2	15.6	15.6	17.0	15.6
37.5°	8.5	9.9	9.9	9.9	8.5
40°	4.2	5.7	5.7	4.2	4.2
42.5°	2.8	2.8	2.8	2.8	2.8
45°	2.8	1.4	1.4	1.4	2.8
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	1.4	0.0	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	1.4	0.0	0.0	0.0	1.4
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)