

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: P1311831

Luminaire Tested: P3SQAS24R559050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R559050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

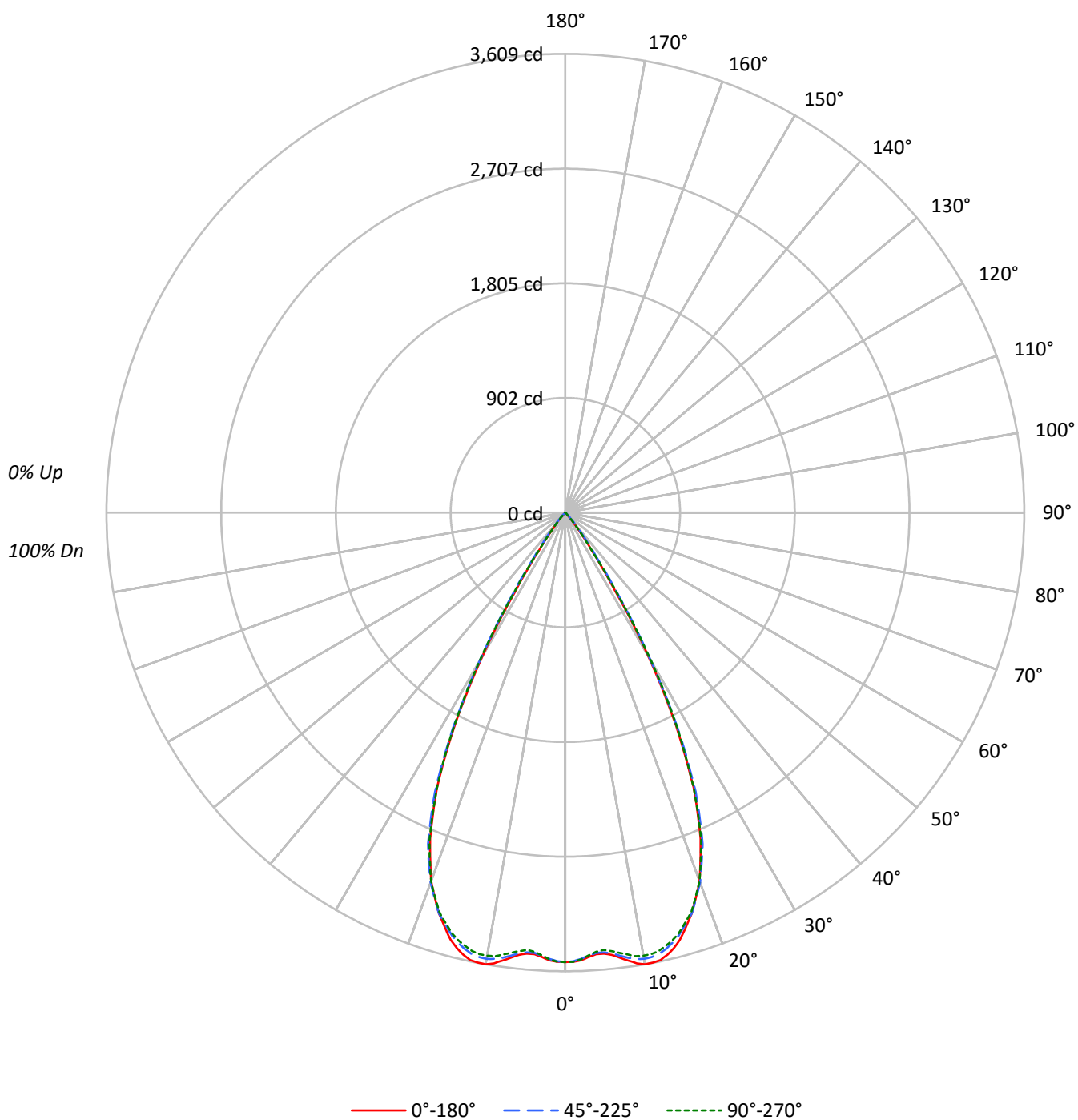
Lumens per Lamp: N/A
Luminaire Lumens: 2689.0 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	609151	609151	609151
5°	602195	600414	597198
10°	631175	623603	619266
15°	620691	614058	611865
20°	565368	567641	565735
25°	453575	460625	453575
30°	260335	266897	268946
35°	74238	89417	76403
40°	19042	27383	19492
45°	2022	9548	1510
50°	0	1661	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: 9548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.8	12.5
10°-20°	958.3	35.6
20°-30°	1055.5	39.3
30°-40°	315.1	11.7
40°-50°	24.2	0.9
50°-60°	0.2	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°	2349.6	87.4
0°-40°	2664.6	99.1
0°-60°	2689.0	100.0
0°-90°	2689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3537	3537	3537	3537	3537	
5°	3483	3477	3473	3458	3454	338
15°	3481	3456	3444	3430	3432	965
25°	2387	2387	2424	2420	2387	1045
35°	353	376	425	388	363	292
45°	8	21	39	21	6	16
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°	3537.0	3537.0	3537.0	3537.0	3537.0
1°	3534.9	3534.9	3530.8	3528.7	3534.9
2°	3524.6	3524.6	3514.3	3512.2	3518.4
3°	3501.9	3499.8	3491.5	3485.3	3489.5
4°	3483.3	3479.1	3473.0	3462.6	3464.7
5°	3483.3	3477.1	3473.0	3458.5	3454.4
6°	3499.8	3495.7	3487.4	3473.0	3468.8
7°	3528.7	3520.4	3512.2	3493.6	3489.5
8°	3559.7	3553.5	3537.0	3518.4	3510.1
9°	3590.6	3576.2	3555.5	3537.0	3534.9
10°	3609.2	3588.6	3565.9	3543.2	3541.1
11°	3607.2	3588.6	3561.7	3541.1	3539.0
12°	3598.9	3572.1	3549.4	3524.6	3526.6
13°	3570.0	3545.2	3522.5	3503.9	3499.8
14°	3530.8	3508.1	3487.4	3468.8	3470.9
15°	3481.2	3456.4	3444.0	3429.6	3431.7
17.5°	3305.7	3299.5	3305.7	3289.2	3295.4
20°	3084.8	3078.6	3097.2	3088.9	3086.8
22.5°	2777.1	2785.4	2820.5	2810.2	2791.6
25°	2386.9	2386.9	2424.0	2419.9	2386.9
27.5°	1878.9	1893.4	1916.1	1926.4	1901.7
30°	1309.1	1342.1	1342.1	1362.8	1352.4
32.5°	730.9	801.1	817.7	828.0	786.7
35°	353.1	375.8	425.3	388.2	363.4
37.5°	169.3	179.6	229.2	185.8	173.4
40°	84.7	97.0	121.8	101.2	86.7
42.5°	35.1	51.6	64.0	51.6	35.1
45°	8.3	20.6	39.2	20.6	6.2
47.5°	0.0	2.1	18.6	4.1	0.0
50°	0.0	0.0	6.2	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)