

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: P1311738

Luminaire Tested: P3SQAS24R209050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

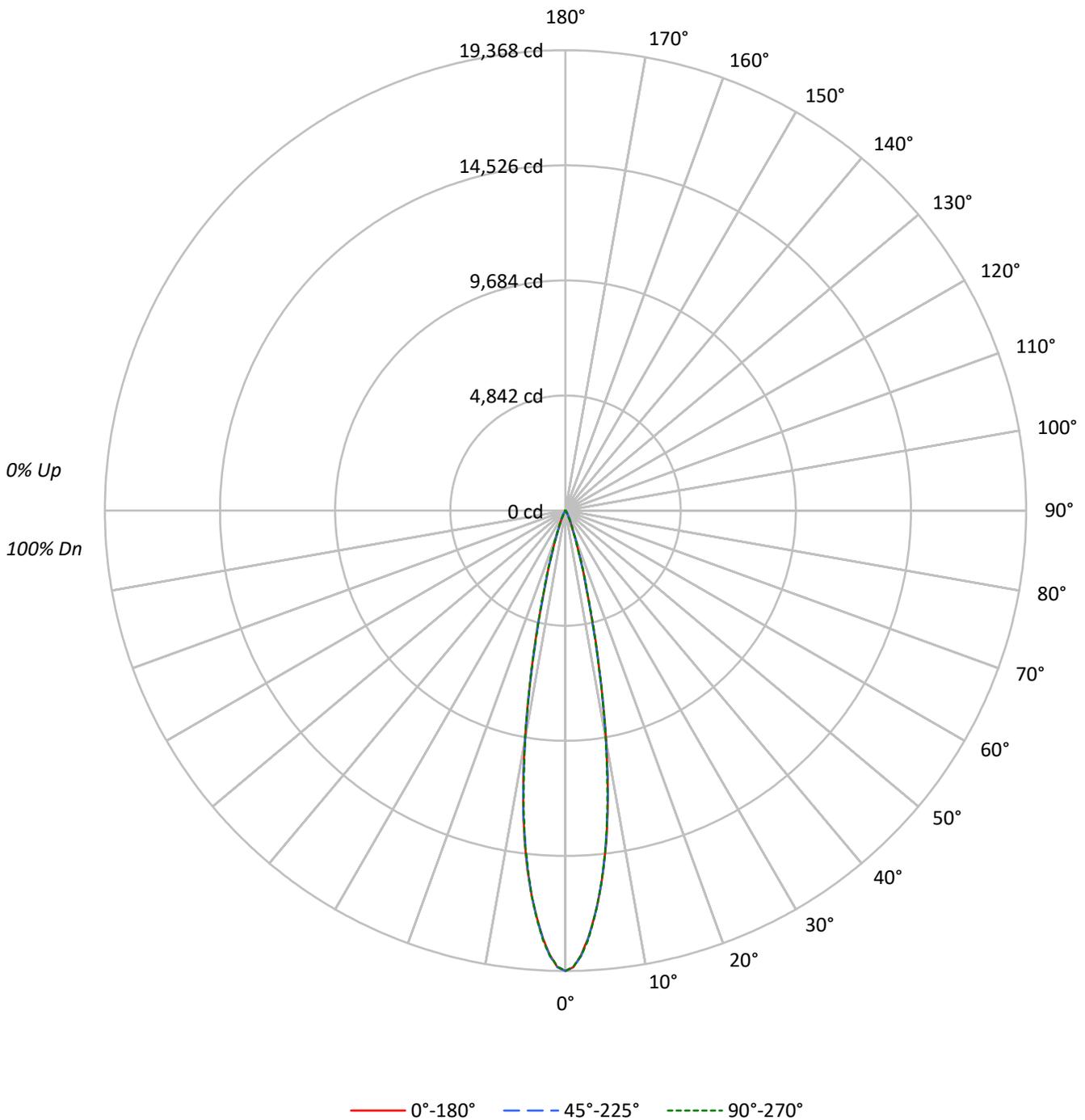
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3335574	3335574	3335574
5°	2811383	2812455	2811037
10°	1713207	1705250	1709219
15°	603467	606035	624810
20°	189617	194914	190753
25°	71032	77702	72989
30°	27523	39017	28756
35°	10428	17366	11290
40°	5576	7419	5576
45°	2022	3532	2509
50°	1099	1661	1099
55°	1231	1231	1231
60°	723	723	723
65°	856	856	856
70°	1057	1057	1057
75°	0	0	1397
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1344.5	50.4
10°-20°	1054.2	39.5
20°-30°	207.0	7.8
30°-40°	46.5	1.7
40°-50°	10.6	0.4
50°-60°	3.3	0.1
60°-70°	2.1	0.1
70°-80°	0.9	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°	2605.7	97.6
0°-40°	2652.2	99.4
0°-60°	2666.1	99.9
0°-90°	2669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19368	19368	19368	19368	19368	
5°	16262	16276	16268	16324	16260	1347
15°	3385	3399	3399	3473	3504	1052
25°	374	398	409	403	384	197
35°	50	60	83	60	54	37
45°	8	12	14	12	10	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	1
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°	19367.8	19367.8	19367.8	19367.8	19367.8
1°	19210.9	19169.6	19217.1	19179.9	19188.2
2°	18713.2	18690.5	18752.4	18713.2	18733.9
3°	18021.4	17992.5	18037.9	18040.0	18097.8
4°	17195.4	17139.7	17207.8	17209.9	17220.2
5°	16262.0	16276.5	16268.2	16324.0	16260.0
6°	15213.0	15260.5	15198.5	15229.5	15140.7
7°	14040.1	13980.2	13949.2	13959.5	14021.5
8°	12745.3	12704.0	12749.4	12685.4	12642.1
9°	11306.0	11233.7	11283.3	11221.3	11159.4
10°	9796.5	9763.4	9751.0	9680.8	9773.7
11°	8282.8	8183.7	8233.2	8198.1	8299.3
12°	6866.2	6874.5	6777.4	6808.4	6820.8
13°	5587.9	5455.8	5472.3	5557.0	5571.4
14°	4334.5	4353.1	4359.3	4419.1	4454.2
15°	3384.6	3399.0	3399.0	3473.4	3504.3
17.5°	1815.2	1815.2	1854.4	1862.6	1866.8
20°	1034.6	1040.8	1063.5	1061.4	1040.8
22.5°	619.5	631.9	644.3	631.9	619.5
25°	373.8	398.5	408.9	402.7	384.1
27.5°	223.0	249.9	278.8	256.1	221.0
30°	138.4	152.8	196.2	156.9	144.6
32.5°	76.4	99.1	134.2	103.3	78.5
35°	49.6	59.9	82.6	59.9	53.7
37.5°	35.1	41.3	51.6	43.4	37.2
40°	24.8	28.9	33.0	31.0	24.8
42.5°	16.5	20.7	22.7	20.7	16.5
45°	8.3	12.4	14.5	12.4	10.3
47.5°	4.1	6.2	10.3	6.2	4.1
50°	4.1	4.1	6.2	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	2.1	4.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	2.1
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)