

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: P1306046

Luminaire Tested: P3SQAS17R209024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

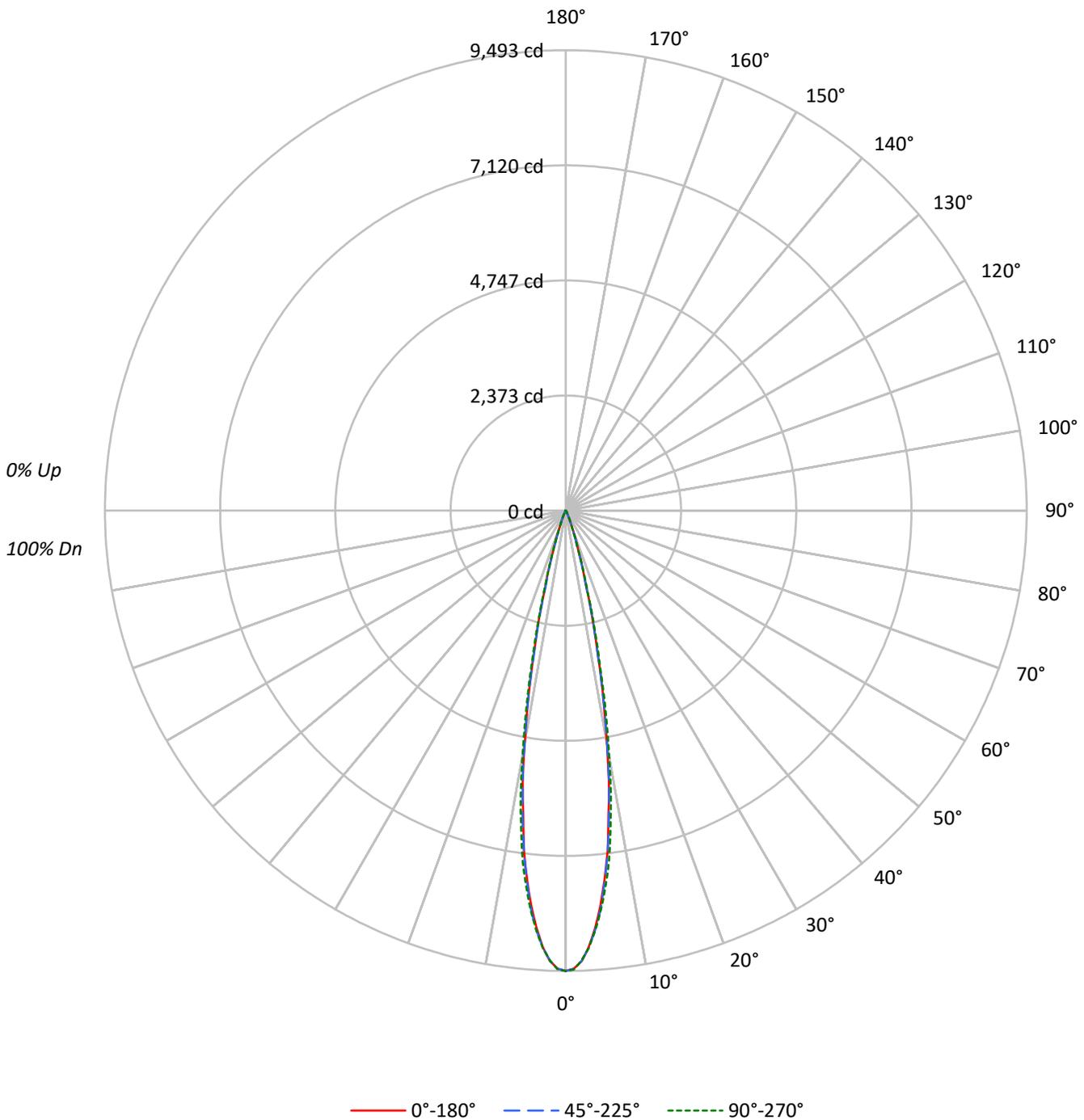
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1275.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1634858	1634858	1634858
5°	1412330	1425486	1430794
10°	850211	858151	900857
15°	294067	287185	310078
20°	77232	72650	72870
25°	16836	20295	23088
30°	7219	7219	7457
35°	4058	3574	3826
40°	1799	2046	2293
45°	560	828	828
50°	295	295	295
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: 22.5°

Vertical Angle: 45°

Luminance: 828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.0	53.3
10°-20°	516.9	40.5
20°-30°	63.9	5.0
30°-40°	12.1	0.9
40°-50°	2.9	0.2
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°	1259.8	98.8
0°-40°	1271.9	99.8
0°-60°	1275.0	100.0
0°-90°	1275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9493	9493	9493	9493	9493	
5°	8169	8164	8246	8240	8276	674
15°	1649	1590	1611	1707	1739	516
25°	89	101	107	111	122	61
35°	19	19	17	18	18	12
45°	2	3	3	3	3	2
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9492.7	9492.7	9492.7	9492.7	9492.7
1°	9448.4	9437.1	9446.2	9426.9	9466.6
2°	9297.4	9286.0	9286.0	9274.7	9280.3
3°	9015.7	9033.8	9022.5	8998.6	9029.3
4°	8631.7	8652.2	8670.4	8671.5	8676.0
5°	8169.4	8163.7	8245.5	8239.8	8276.2
6°	7642.4	7635.5	7670.8	7729.8	7802.5
7°	7063.1	6980.1	7074.4	7193.7	7291.4
8°	6313.4	6334.9	6399.7	6540.5	6618.9
9°	5677.2	5551.2	5688.6	5856.7	5941.9
10°	4861.7	4759.4	4907.1	5084.3	5151.3
12.5°	3060.1	2971.5	3019.2	3205.5	3235.1
15°	1649.3	1590.3	1610.7	1707.3	1739.1
17.5°	841.7	788.3	777.0	838.3	845.1
20°	421.4	408.9	396.4	402.1	397.6
22.5°	195.4	212.4	210.1	198.8	212.4
25°	88.6	101.1	106.8	111.3	121.5
27.5°	54.5	52.3	60.2	64.7	65.9
30°	36.3	35.2	36.3	37.5	37.5
32.5°	26.1	25.0	23.9	23.9	25.0
35°	19.3	19.3	17.0	18.2	18.2
37.5°	13.6	13.6	12.5	13.6	13.6
40°	8.0	9.1	9.1	9.1	10.2
42.5°	4.5	5.7	5.7	5.7	5.7
45°	2.3	3.4	3.4	3.4	3.4
47.5°	1.1	1.1	1.1	2.3	2.3
50°	1.1	1.1	1.1	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)