

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: P1255471

Luminaire Tested: P3AS20R459035D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459035D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

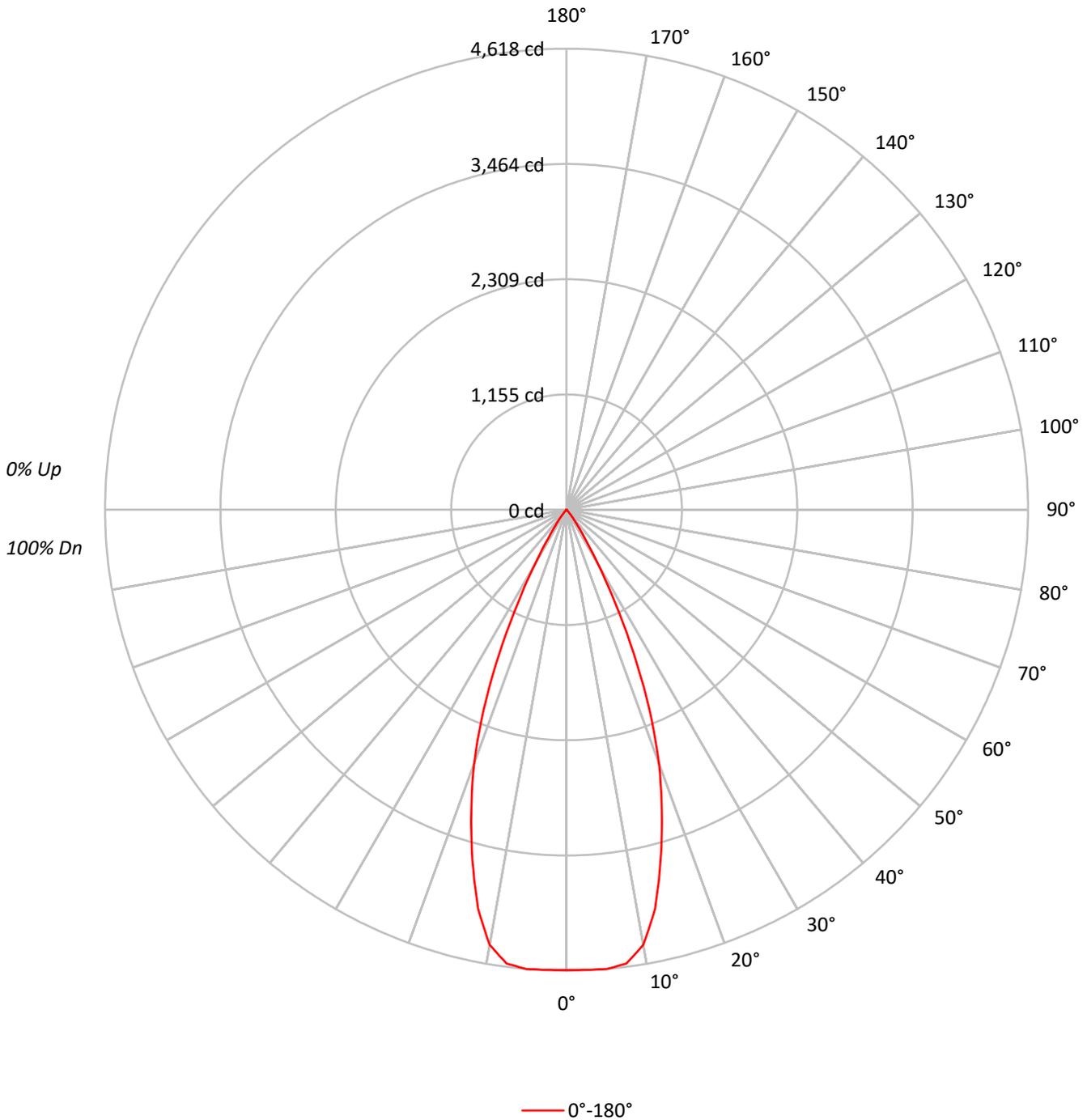
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2332.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 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			0
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	75	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1011059
5°	1016440
10°	985219
15°	825612
20°	631105
25°	384192
30°	159847
35°	51210
40°	15944
45°	3225
50°	2388
55°	2676
60°	2281
65°	2698
70°	2244
75°	2965
80°	2147
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3225 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.5	18.7
10°-20°	999.6	42.9
20°-30°	719.7	30.9
30°-40°	149.7	6.4
40°-50°	13.7	0.6
50°-60°	5.7	0.2
60°-70°	4.5	0.2
70°-80°	3.0	0.1
80°-90°	0.7	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°	2154.7	92.4
0°-40°	2304.5	98.8
0°-60°	2323.8	99.6
0°-90°	2332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2332.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4611	
5°	4618	435
15°	3637	1000
25°	1588	720
35°	191	150
45°	10	14
55°	7	6
65°	5	5
75°	4	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4610.8
2.5°	4612.5
5°	4617.7
7.5°	4584.7
10°	4424.7
12.5°	4090.7
15°	3636.8
17.5°	3172.4
20°	2704.5
22.5°	2167.1
25°	1587.9
27.5°	1047.0
30°	631.3
32.5°	353.1
35°	191.3
37.5°	107.8
40°	55.7
42.5°	24.3
45°	10.4
47.5°	7.0
50°	7.0
52.5°	7.0
55°	7.0
57.5°	5.2
60°	5.2
62.5°	5.2
65°	5.2
67.5°	3.5
70°	3.5
72.5°	3.5
75°	3.5
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)