

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: P1270661

Luminaire Tested: P3AS20R509740D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509740D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

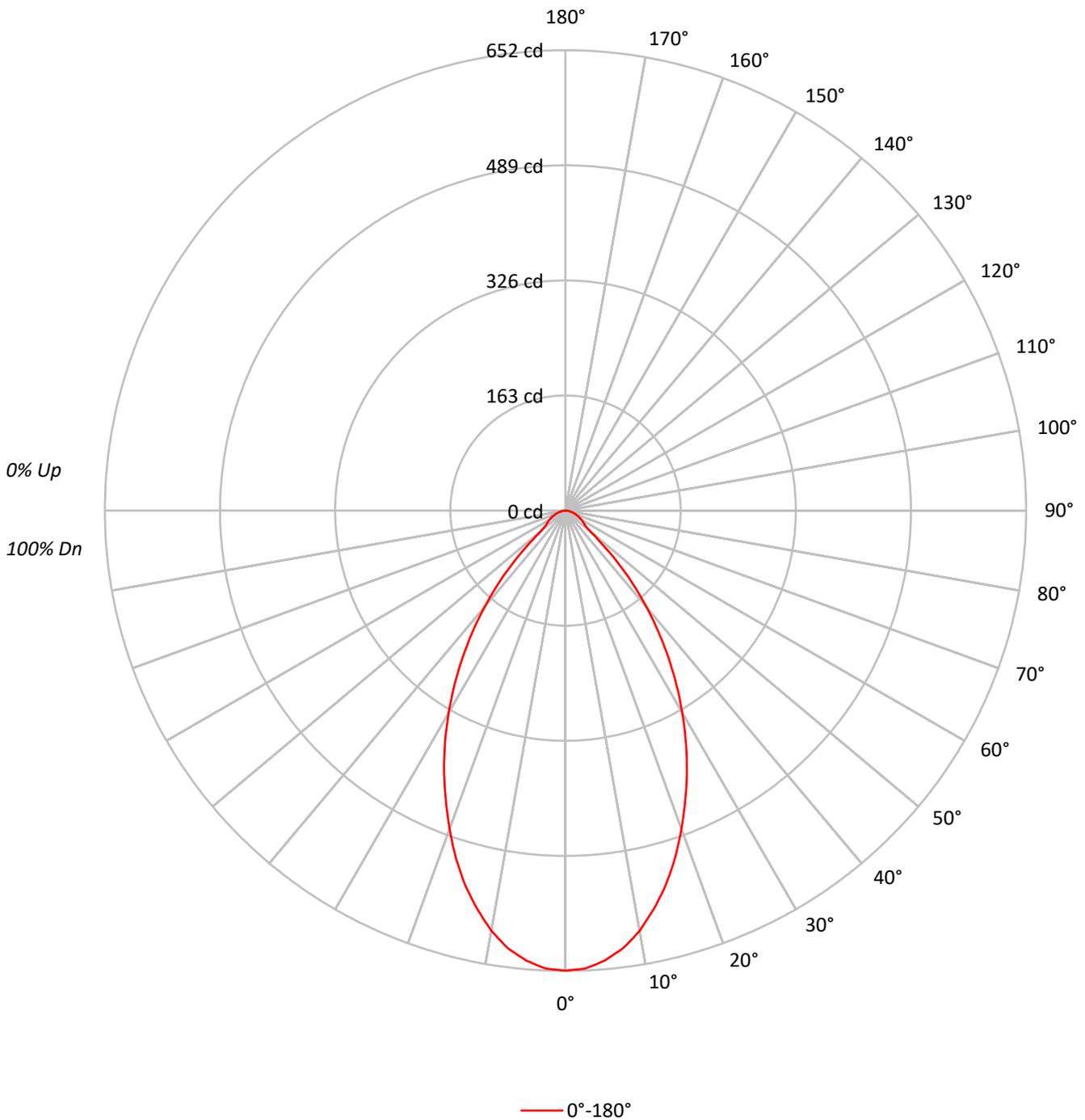
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.0 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142861
5°	140766
10°	134533
15°	124586
20°	111963
25°	98425
30°	83709
35°	67860
40°	50981
45°	32841
50°	15590
55°	12272
60°	11622
65°	10844
70°	9745
75°	8811
80°	8082
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	8.5
10°-20°	153.0	21.8
20°-30°	185.9	26.4
30°-40°	157.7	22.4
40°-50°	81.9	11.6
50°-60°	29.6	4.2
60°-70°	20.5	2.9
70°-80°	11.1	1.6
80°-90°	3.5	0.5
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°	398.9	56.7
0°-40°	556.5	79.2
0°-60°	668.0	95.0
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	652	
5°	640	60
15°	549	153
25°	407	186
35°	254	158
45°	106	82
55°	32	30
65°	21	20
75°	10	11
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	651.5
2.5°	649.1
5°	639.5
7.5°	625.0
10°	604.2
12.5°	577.7
15°	548.8
17.5°	515.9
20°	479.8
22.5°	442.9
25°	406.8
27.5°	369.1
30°	330.6
32.5°	292.1
35°	253.5
37.5°	215.8
40°	178.1
42.5°	142.0
45°	105.9
47.5°	70.6
50°	45.7
52.5°	35.3
55°	32.1
57.5°	28.9
60°	26.5
62.5°	23.3
65°	20.9
67.5°	17.7
70°	15.2
72.5°	12.8
75°	10.4
77.5°	8.0
80°	6.4
82.5°	4.8
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)