

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: P1250065

Luminaire Tested: P3AS20R459027D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459027D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

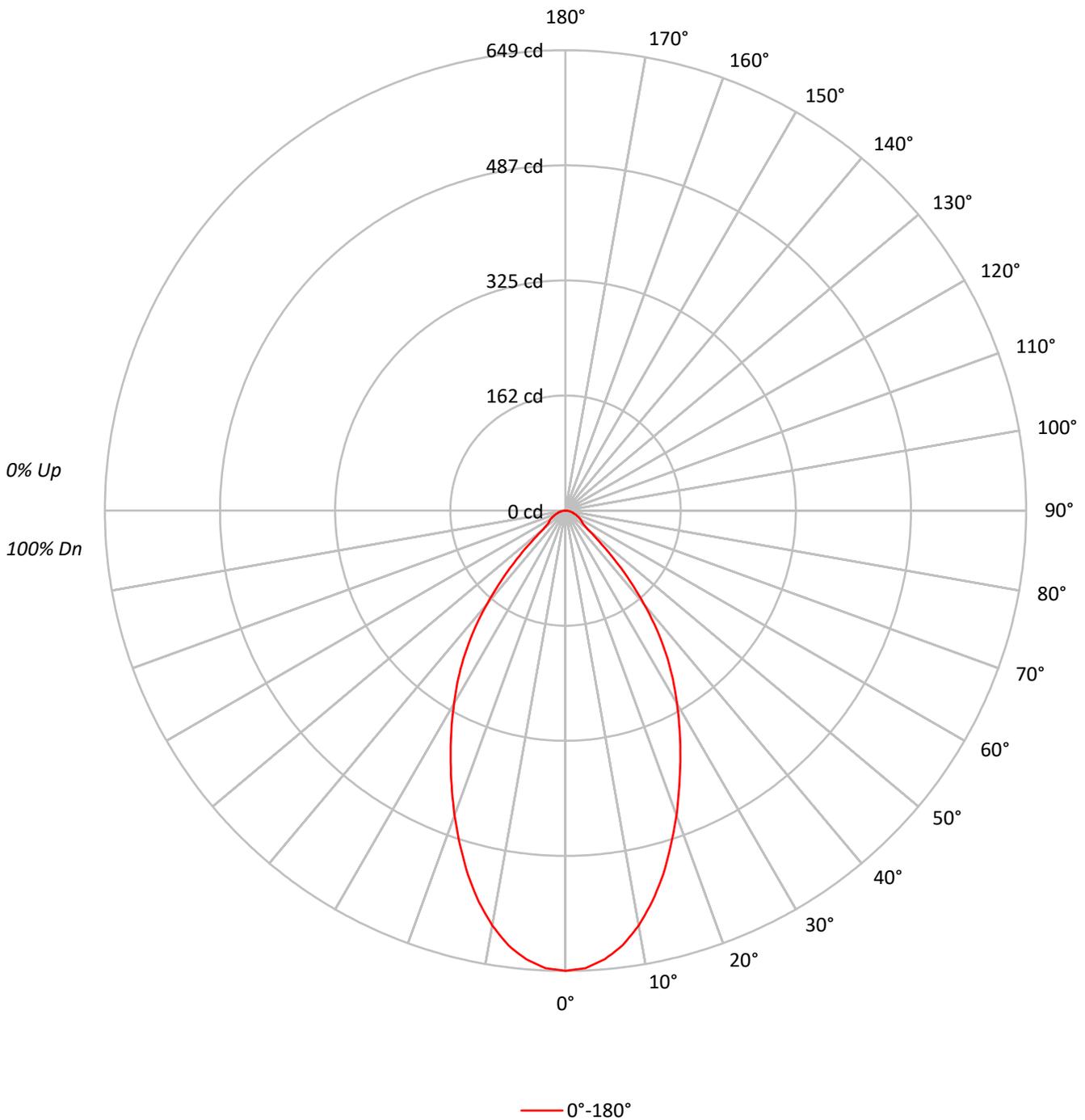
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 671.0 lumens
Efficiency: N/A
Efficacy: 23.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
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				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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75				75
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69				69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63				63
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58				58
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54				54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47				47
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44				44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142269
5°	139753
10°	132240
15°	120591
20°	106643
25°	92618
30°	79506
35°	66254
40°	49350
45°	30205
50°	13987
55°	10934
60°	10525
65°	9651
70°	8912
75°	8557
80°	7829
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30205 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	8.8
10°-20°	147.9	22.0
20°-30°	175.7	26.2
30°-40°	152.7	22.8
40°-50°	76.6	11.4
50°-60°	26.6	4.0
60°-70°	18.7	2.8
70°-80°	10.4	1.6
80°-90°	3.1	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°	383.0	57.1
0°-40°	535.7	79.8
0°-60°	638.8	95.2
0°-90°	671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	671.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	649	
5°	635	59
15°	531	148
25°	383	176
35°	248	153
45°	97	77
55°	29	27
65°	19	19
75°	10	10
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	648.8
2.5°	645.7
5°	634.9
7.5°	617.9
10°	593.9
12.5°	564.5
15°	531.2
17.5°	494.1
20°	457.0
22.5°	419.1
25°	382.8
27.5°	348.0
30°	314.0
32.5°	281.5
35°	247.5
37.5°	211.1
40°	172.4
42.5°	134.6
45°	97.4
47.5°	64.2
50°	41.0
52.5°	31.7
55°	28.6
57.5°	26.3
60°	24.0
62.5°	21.7
65°	18.6
67.5°	16.2
70°	13.9
72.5°	11.6
75°	10.1
77.5°	7.7
80°	6.2
82.5°	4.6
85°	2.3
87.5°	1.5
90°	0.0

(END OF REPORT)