

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: P1250123

Luminaire Tested: P3AS20R559027D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559027D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

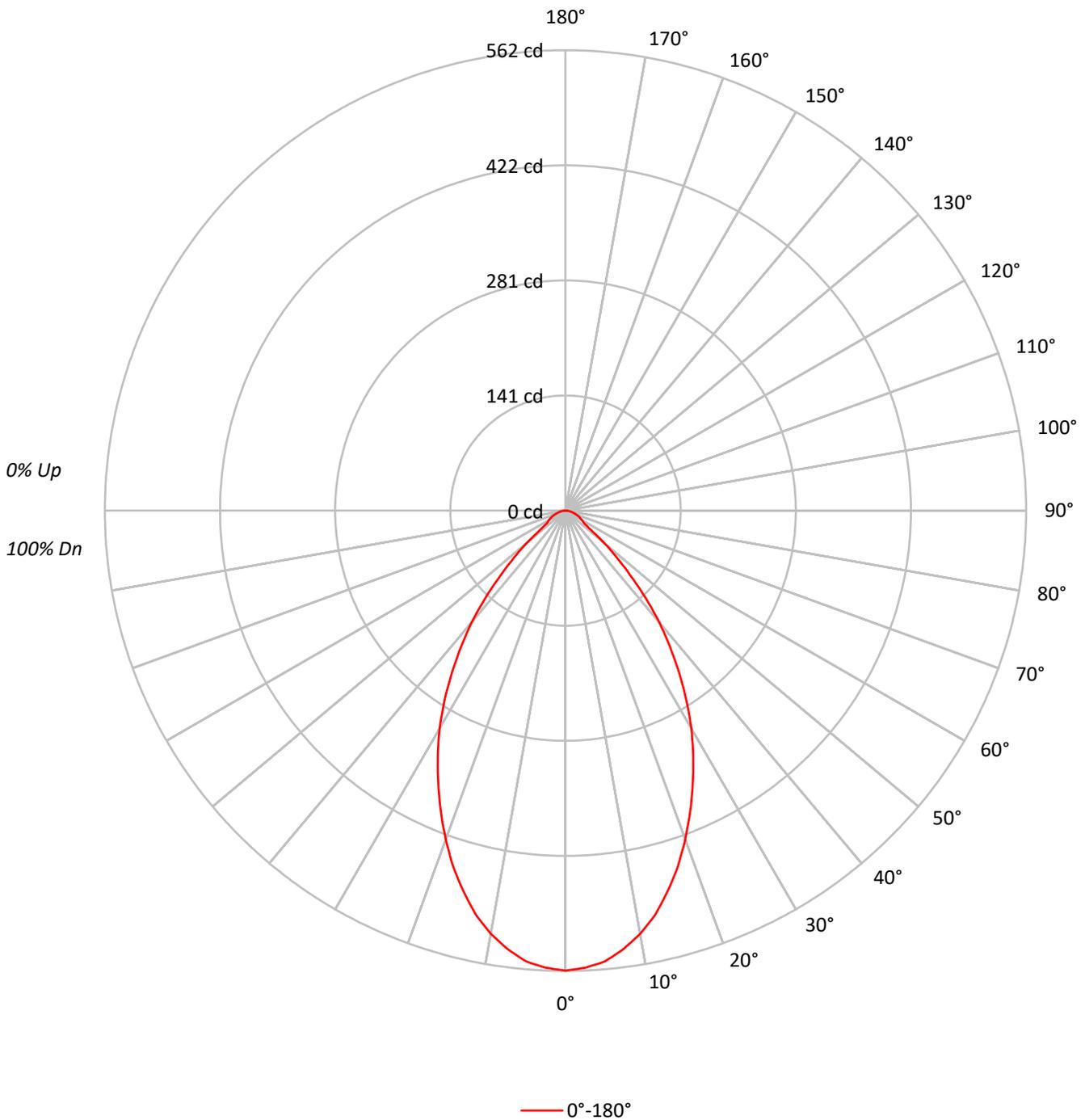
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
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	100	98	99	97	96	95	94	93	91			91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82			82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74			74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62			62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57			57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			52
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	53	50	48			48
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45			45
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42			42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123148
5°	121593
10°	116787
15°	109240
20°	99642
25°	88916
30°	77759
35°	64621
40°	50924
45°	34546
50°	21117
55°	10934
60°	10175
65°	9651
70°	8912
75°	7879
80°	7829
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34546 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	7.9
10°-20°	134.5	20.5
20°-30°	168.4	25.7
30°-40°	150.3	23.0
40°-50°	88.0	13.4
50°-60°	30.4	4.6
60°-70°	18.4	2.8
70°-80°	10.2	1.6
80°-90°	2.9	0.4
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°	354.7	54.2
0°-40°	505.1	77.1
0°-60°	623.5	95.2
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	562	
5°	552	52
15°	481	134
25°	368	168
35°	241	150
45°	111	88
55°	29	30
65°	19	18
75°	9	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	561.6
2.5°	558.5
5°	552.4
7.5°	540.0
10°	524.5
12.5°	505.2
15°	481.2
17.5°	455.7
20°	427.0
22.5°	397.6
25°	367.5
27.5°	337.3
30°	307.1
32.5°	274.6
35°	241.4
37.5°	208.9
40°	177.9
42.5°	144.7
45°	111.4
47.5°	85.1
50°	61.9
52.5°	40.2
55°	28.6
57.5°	25.5
60°	23.2
62.5°	20.9
65°	18.6
67.5°	16.2
70°	13.9
72.5°	11.6
75°	9.3
77.5°	7.7
80°	6.2
82.5°	3.9
85°	2.3
87.5°	1.5
90°	0.0

(END OF REPORT)