

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: P1250082

Luminaire Tested: P3AS20R509027D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509027D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

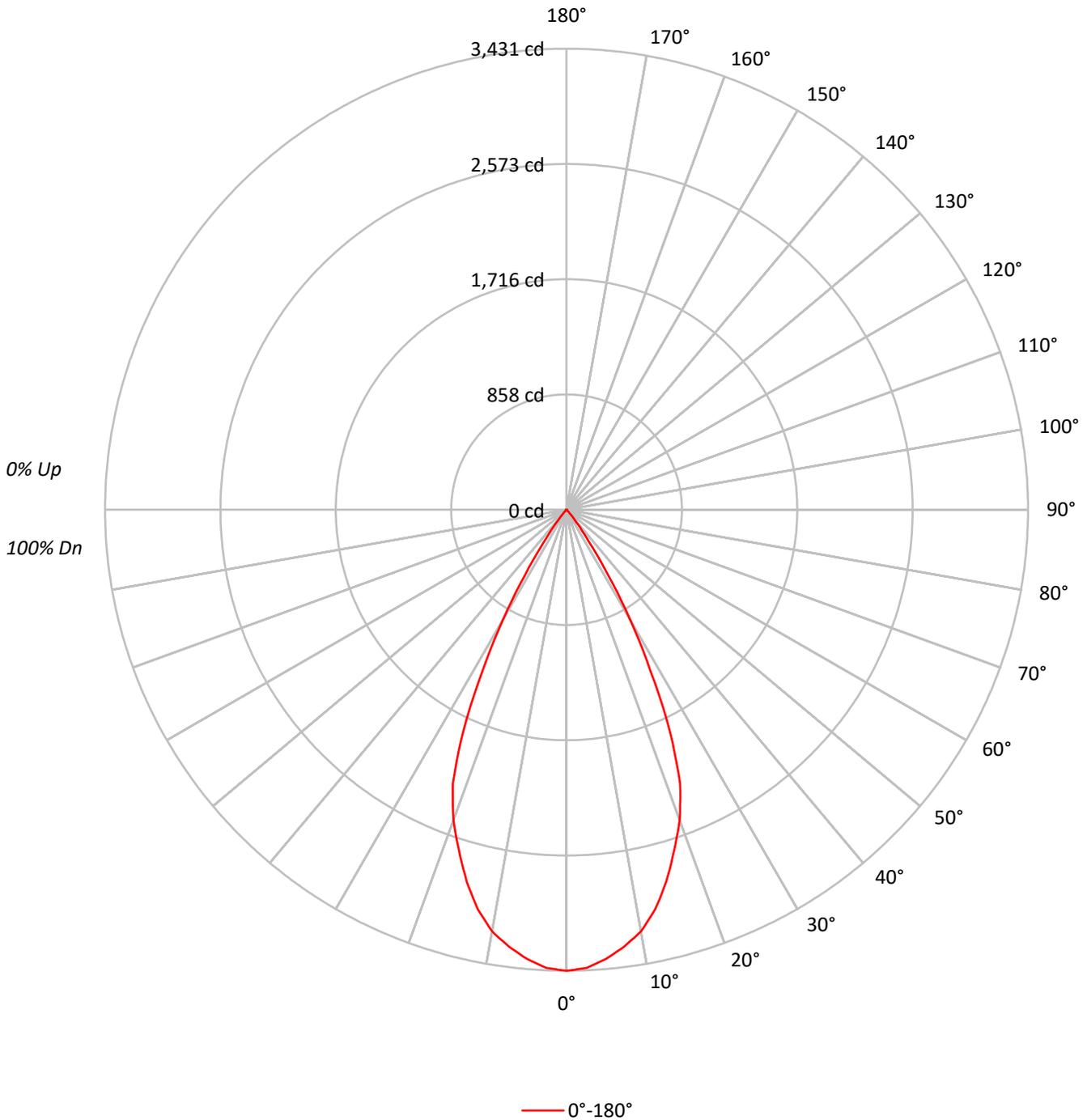
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2160.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
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	100	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	752264
5°	738805
10°	709383
15°	650492
20°	573607
25°	439646
30°	239049
35°	76908
40°	18062
45°	2450
50°	2149
55°	2409
60°	2061
65°	2439
70°	2052
75°	2711
80°	2020
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 4026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.0	14.6
10°-20°	796.5	36.9
20°-30°	797.7	36.9
30°-40°	224.3	10.4
40°-50°	13.5	0.6
50°-60°	5.1	0.2
60°-70°	4.1	0.2
70°-80°	2.7	0.1
80°-90°	1.1	0.1
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°	1909.2	88.4
0°-40°	2133.5	98.8
0°-60°	2152.1	99.6
0°-90°	2160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2160.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3431	
5°	3356	315
15°	2865	797
25°	1817	798
35°	287	224
45°	8	14
55°	6	5
65°	5	4
75°	3	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3430.6
2.5°	3413.2
5°	3356.4
7.5°	3279.0
10°	3185.9
12.5°	3045.4
15°	2865.4
17.5°	2658.6
20°	2458.1
22.5°	2208.7
25°	1817.1
27.5°	1353.0
30°	944.1
32.5°	569.9
35°	287.3
37.5°	135.8
40°	63.1
42.5°	23.7
45°	7.9
47.5°	6.3
50°	6.3
52.5°	6.3
55°	6.3
57.5°	4.7
60°	4.7
62.5°	4.7
65°	4.7
67.5°	3.2
70°	3.2
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)