

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: P1252674

Luminaire Tested: P3AS20R309030D010 E3CD1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309030D010 E3CD1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

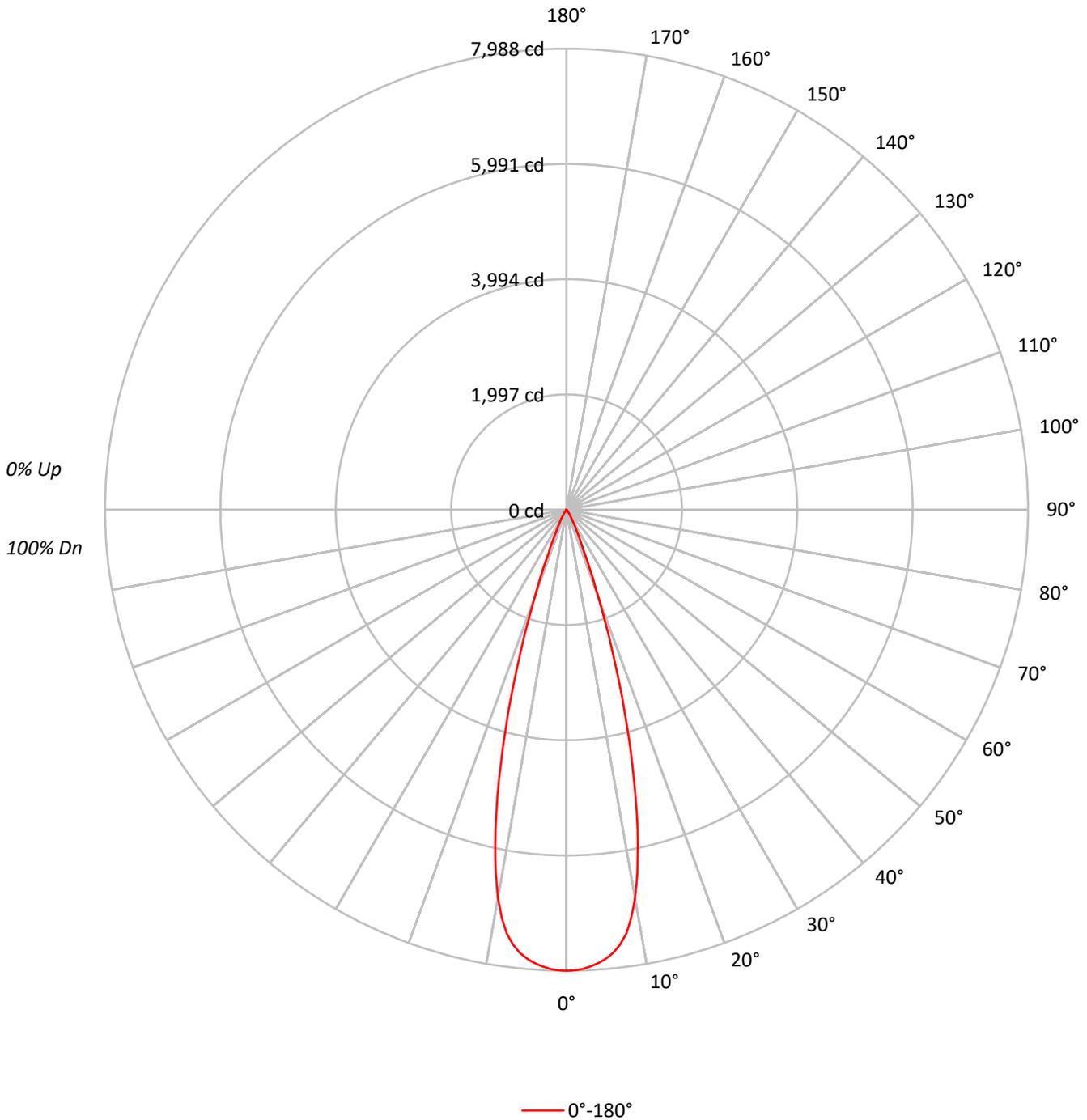
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2151.1 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
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

TEST NUMBER: P1252674
CATALOG NUMBER: P3AS20R309030D010 E3CD1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1252674

CATALOG NUMBER: P3AS20R309030D010 E3CD1MMS

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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	91	88	87	85
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	82	79	77	77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	80	77	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1751636
5°	1718530
10°	1521348
15°	963865
20°	365875
25°	108321
30°	42791
35°	13117
40°	5811
45°	2109
50°	1740
55°	1300
60°	1491
65°	1764
70°	1090
75°	1440
80°	2147
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 2147 cd/sqm



TEST NUMBER: P1252674
 CATALOG NUMBER: P3AS20R309030D010 E3CD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.7	33.4
10°-20°	1118.5	52.0
20°-30°	259.7	12.1
30°-40°	40.2	1.9
40°-50°	6.9	0.3
50°-60°	3.2	0.2
60°-70°	2.7	0.1
70°-80°	1.8	0.1
80°-90°	0.2	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°	2095.9	97.4
0°-40°	2136.2	99.3
0°-60°	2146.3	99.8
0°-90°	2151.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2151.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7988	
5°	7807	718
15°	4246	1119
25°	448	260
35°	49	40
45°	7	7
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1252674
CATALOG NUMBER: P3AS20R309030D010 E3CD1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	7988.1
1°	7983.0
2°	7961.1
3°	7923.9
4°	7876.6
5°	7807.3
6°	7721.2
7°	7592.8
8°	7417.1
9°	7158.6
10°	6832.5
11°	6411.8
12°	5937.0
13°	5409.9
14°	4830.4
15°	4245.8
17.5°	2777.6
20°	1567.9
22.5°	800.8
25°	447.7
27.5°	275.4
30°	169.0
32.5°	91.2
35°	49.0
37.5°	32.1
40°	20.3
42.5°	11.8
45°	6.8
47.5°	5.1
50°	5.1
52.5°	3.4
55°	3.4
57.5°	3.4
60°	3.4
62.5°	3.4
65°	3.4
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1252674
CATALOG NUMBER: P3AS20R309030D010 E3CD1MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)