

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: P1252735

Luminaire Tested: P3AS20R409030D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409030D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

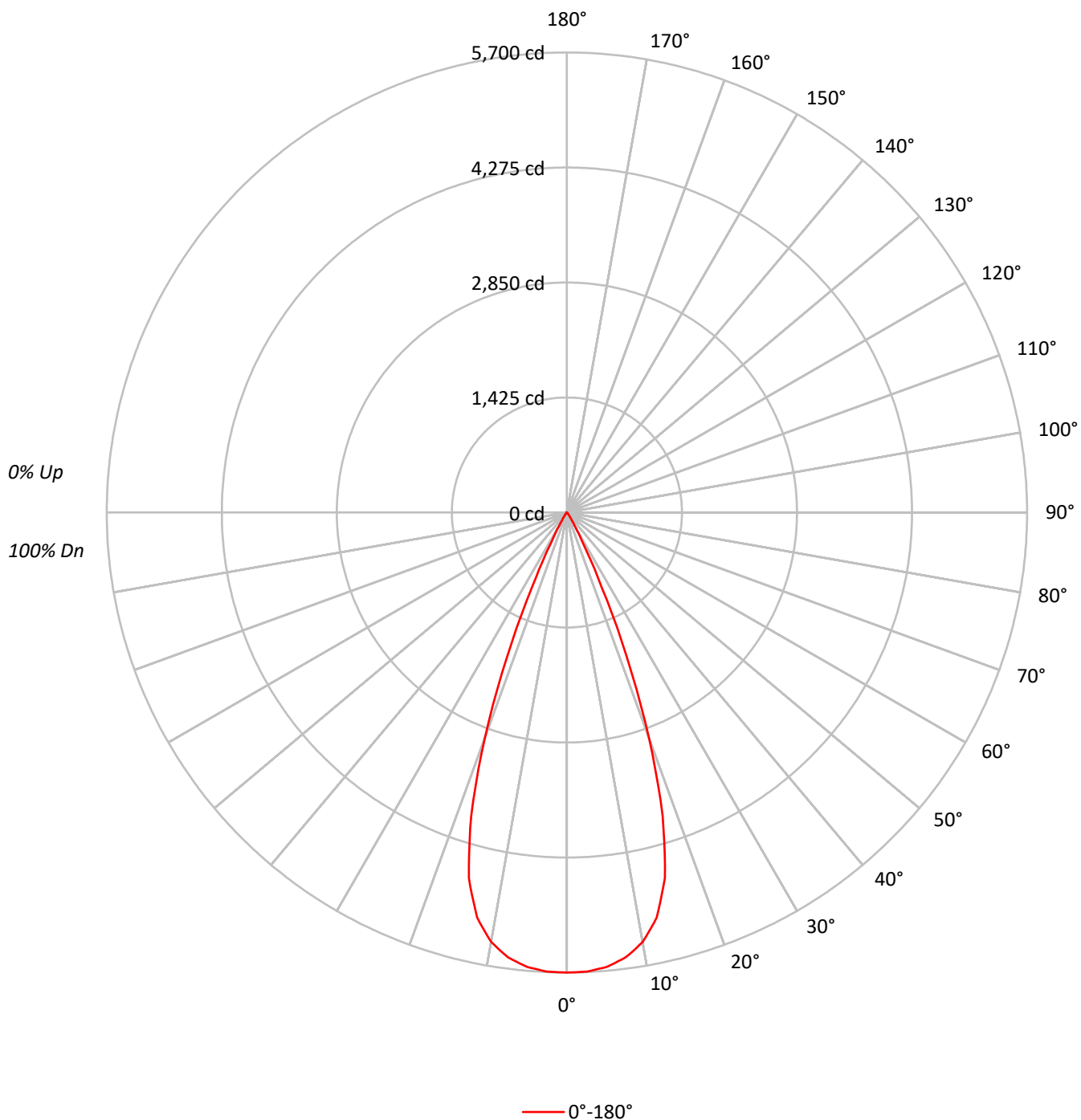
Lumens per Lamp: N/A
Luminaire Lumens: 2374.1 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1249966
5°	1243955
10°	1203429
15°	1064705
20°	694670
25°	246087
30°	52185
35°	17186
40°	6298
45°	2109
50°	1740
55°	1950
60°	1491
65°	1764
70°	1090
75°	1440
80°	2147
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 2856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.8	22.4
10°-20°	1238.3	52.2
20°-30°	537.4	22.6
30°-40°	49.5	2.1
40°-50°	7.0	0.3
50°-60°	4.4	0.2
60°-70°	3.2	0.1
70°-80°	1.8	0.1
80°-90°	0.7	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°	2307.5	97.2
0°-40°	2357.0	99.3
0°-60°	2368.4	99.8
0°-90°	2374.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2374.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5700	
5°	5651	532
15°	4690	1238
25°	1017	537
35°	64	50
45°	7	7
55°	5	4
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5700.3
2.5°	5693.6
5°	5651.3
7.5°	5561.8
10°	5404.7
12.5°	5139.4
15°	4690.0
17.5°	3944.9
20°	2976.9
22.5°	1932.8
25°	1017.1
27.5°	437.6
30°	206.1
32.5°	111.5
35°	64.2
37.5°	38.9
40°	22.0
42.5°	11.8
45°	6.8
47.5°	5.1
50°	5.1
52.5°	5.1
55°	5.1
57.5°	5.1
60°	3.4
62.5°	3.4
65°	3.4
67.5°	3.4
70°	1.7
72.5°	1.7
75°	1.7
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)