

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: P1260746

Luminaire Tested: P3AS20R409050D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260746
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: P3AS20R409050D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

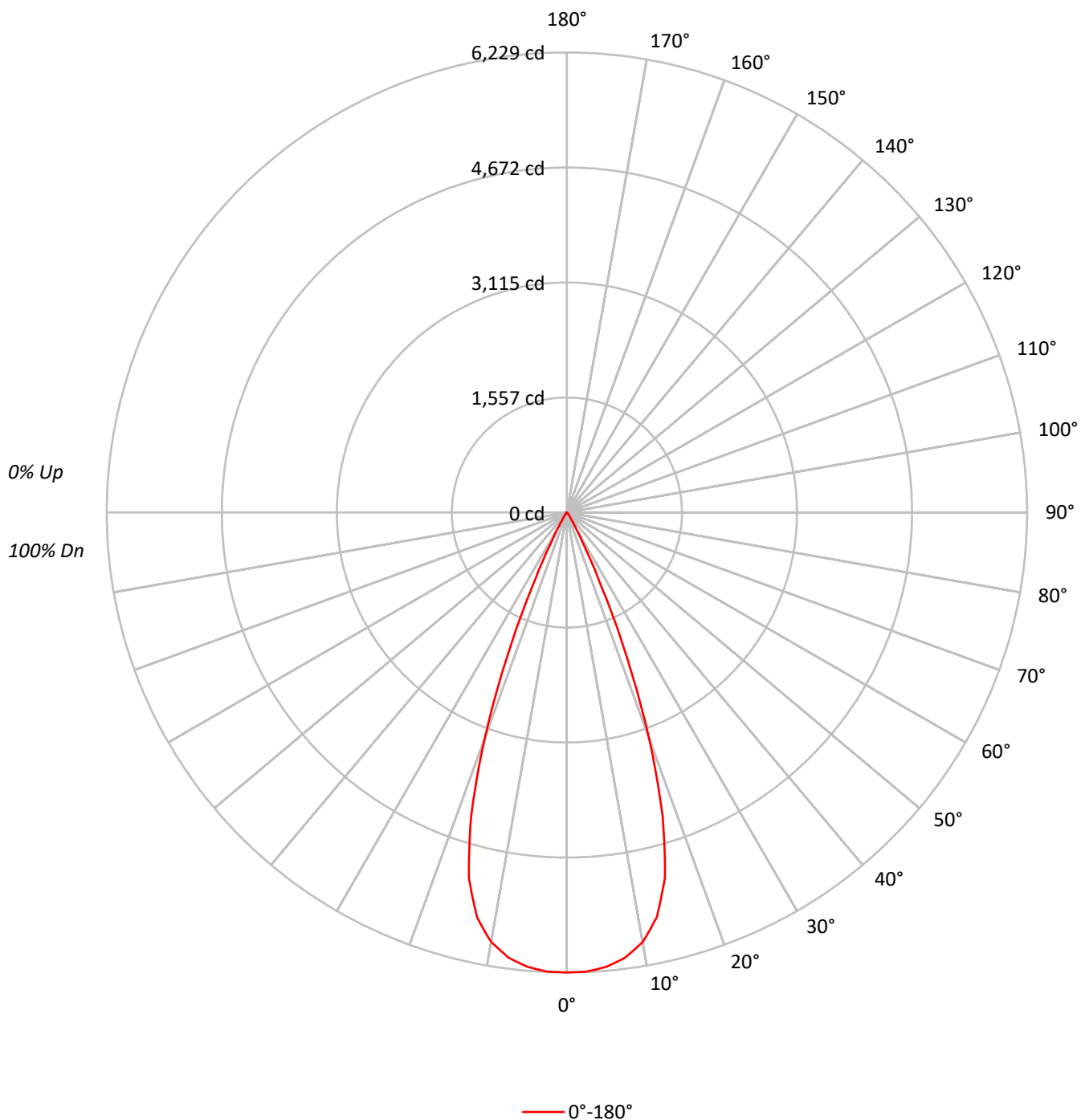
Lumens per Lamp: N/A
Luminaire Lumens: 2593.9 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1260746

CATALOG NUMBER: P3AS20R409050D010 E3CD1MW

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°	1365812
5°	1359230
10°	1314939
15°	1163367
20°	759029
25°	268878
30°	57021
35°	18765
40°	6870
45°	2295
50°	1876
55°	2103
60°	1623
65°	1920
70°	1154
75°	1525
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 3024 cd/sqm

TEST NUMBER: P1260746

CATALOG NUMBER: P3AS20R409050D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.0	22.4
10°-20°	1353.1	52.2
20°-30°	587.2	22.6
30°-40°	54.1	2.1
40°-50°	7.7	0.3
50°-60°	4.7	0.2
60°-70°	3.4	0.1
70°-80°	1.9	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°	2521.3	97.2
0°-40°	2575.4	99.3
0°-60°	2587.8	99.8
0°-90°	2593.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2593.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6229	
5°	6175	581
15°	5125	1353
25°	1111	587
35°	70	54
45°	7	8
55°	6	5
65°	4	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6228.6
2.5°	6221.2
5°	6175.0
7.5°	6077.2
10°	5905.5
12.5°	5615.7
15°	5124.6
17.5°	4310.5
20°	3252.7
22.5°	2111.9
25°	1111.3
27.5°	478.1
30°	225.2
32.5°	121.8
35°	70.1
37.5°	42.5
40°	24.0
42.5°	12.9
45°	7.4
47.5°	5.5
50°	5.5
52.5°	5.5
55°	5.5
57.5°	5.5
60°	3.7
62.5°	3.7
65°	3.7
67.5°	3.7
70°	1.8
72.5°	1.8
75°	1.8
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)