

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: P1272696

Luminaire Tested: P3AS20R409827D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409827D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

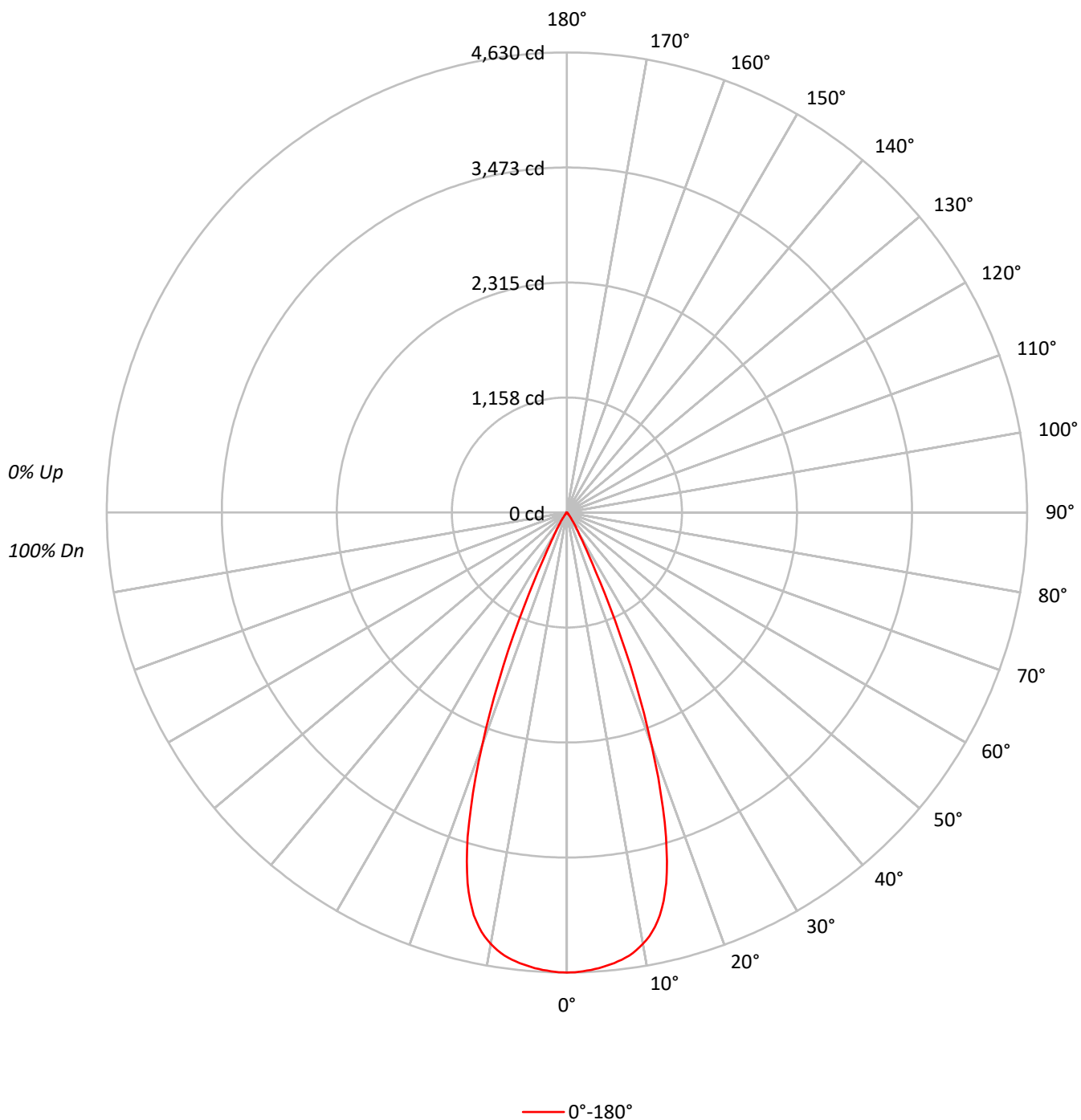
Lumens per Lamp: N/A
Luminaire Lumens: 1992.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272696

CATALOG NUMBER: P3AS20R409827D010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1272696

CATALOG NUMBER: P3AS20R409827D010 E3D1WH

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		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1015357
5°	1008032
10°	981656
15°	876895
20°	581447
25°	217827
30°	58262
35°	22781
40°	8187
45°	3907
50°	1194
55°	535
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3907 cd/sqm

TEST NUMBER: P1272696

CATALOG NUMBER: P3AS20R409827D010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.2	21.7
10°-20°	1023.5	51.4
20°-30°	464.1	23.3
30°-40°	60.2	3.0
40°-50°	10.4	0.5
50°-60°	1.2	0.1
60°-70°	0.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1919.8	96.4
0°-40°	1979.9	99.4
0°-60°	1991.6	100.0
0°-90°	1992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4630	
5°	4580	432
15°	3863	1023
25°	900	464
35°	85	60
45°	13	10
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272696

CATALOG NUMBER: P3AS20R409827D010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4630.4
1°	4627.7
2°	4620.7
3°	4610.2
4°	4597.0
5°	4579.5
6°	4559.3
7°	4534.2
8°	4503.5
9°	4461.7
10°	4408.7
11°	4346.6
12°	4263.6
13°	4161.1
14°	4027.2
15°	3862.7
16°	3652.8
17°	3413.6
18°	3126.3
19°	2822.9
20°	2491.7
21°	2160.4
22°	1834.0
23°	1509.1
24°	1189.7
25°	900.3
26°	666.7
27°	488.1
28°	366.8
29°	285.2
30°	230.1
31°	190.4
32°	159.0
32.5°	145.1
33°	131.1
34°	106.7
35°	85.1
36°	66.9
37°	53.0
37.5°	47.4
38°	41.8
39°	34.9
40°	28.6
42.5°	18.8
45°	12.6



TEST NUMBER: P1272696

CATALOG NUMBER: P3AS20R409827D010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.7
50°	3.5
52.5°	1.4
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)