

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: P1252787

Luminaire Tested: P3AS20R509030D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252787
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: P3AS20R509030D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

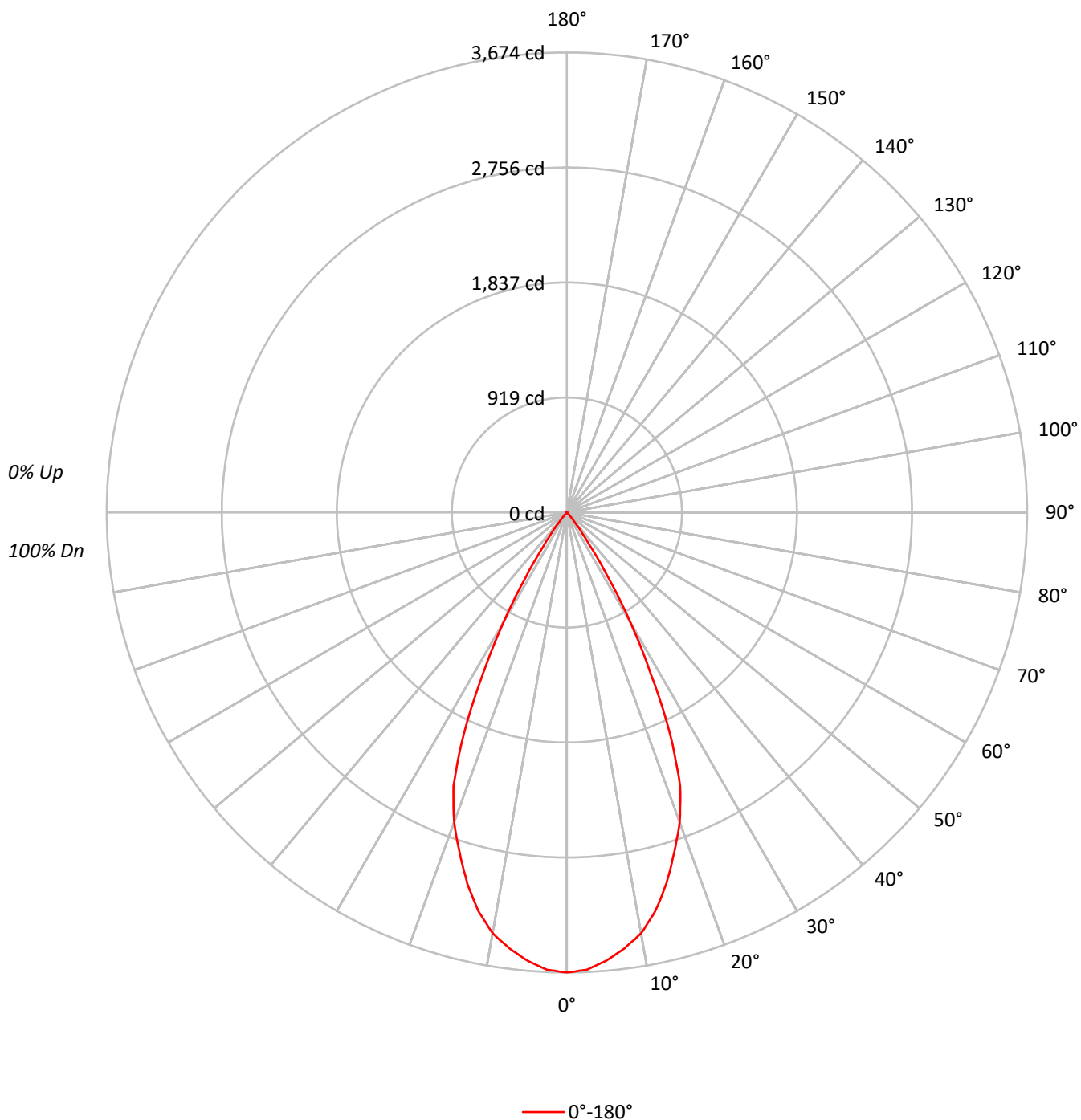
Lumens per Lamp: N/A
Luminaire Lumens: 2313.1 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1252787

CATALOG NUMBER: P3AS20R509030D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1252787

CATALOG NUMBER: P3AS20R509030D010 E3CD1MB

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	114	112	109	107	112	109	107	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	805549
5°	791127
10°	759639
15°	696576
20°	614233
25°	470785
30°	255989
35°	82369
40°	19351
45°	2636
50°	2320
55°	2600
60°	2237
65°	2646
70°	2180
75°	2881
80°	2147
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 4277 cd/sqm

TEST NUMBER: P1252787

CATALOG NUMBER: P3AS20R509030D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	14.6
10°-20°	852.9	36.9
20°-30°	854.2	36.9
30°-40°	240.2	10.4
40°-50°	14.5	0.6
50°-60°	5.5	0.2
60°-70°	4.4	0.2
70°-80°	2.9	0.1
80°-90°	1.2	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°	2044.4	88.4
0°-40°	2284.6	98.8
0°-60°	2304.6	99.6
0°-90°	2313.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2313.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3674	
5°	3594	337
15°	3068	853
25°	1946	854
35°	308	240
45°	8	15
55°	7	6
65°	5	4
75°	3	3
85°	2	1
90°	0	

TEST NUMBER: P1252787

CATALOG NUMBER: P3AS20R509030D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3673.6
2.5°	3655.0
5°	3594.1
7.5°	3511.3
10°	3411.6
12.5°	3261.1
15°	3068.4
17.5°	2846.9
20°	2632.2
22.5°	2365.1
25°	1945.8
27.5°	1448.8
30°	1011.0
32.5°	610.3
35°	307.7
37.5°	145.4
40°	67.6
42.5°	25.4
45°	8.5
47.5°	6.8
50°	6.8
52.5°	6.8
55°	6.8
57.5°	5.1
60°	5.1
62.5°	5.1
65°	5.1
67.5°	3.4
70°	3.4
72.5°	3.4
75°	3.4
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)