

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: P1258234

Luminaire Tested: P3AS20R559040D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559040D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

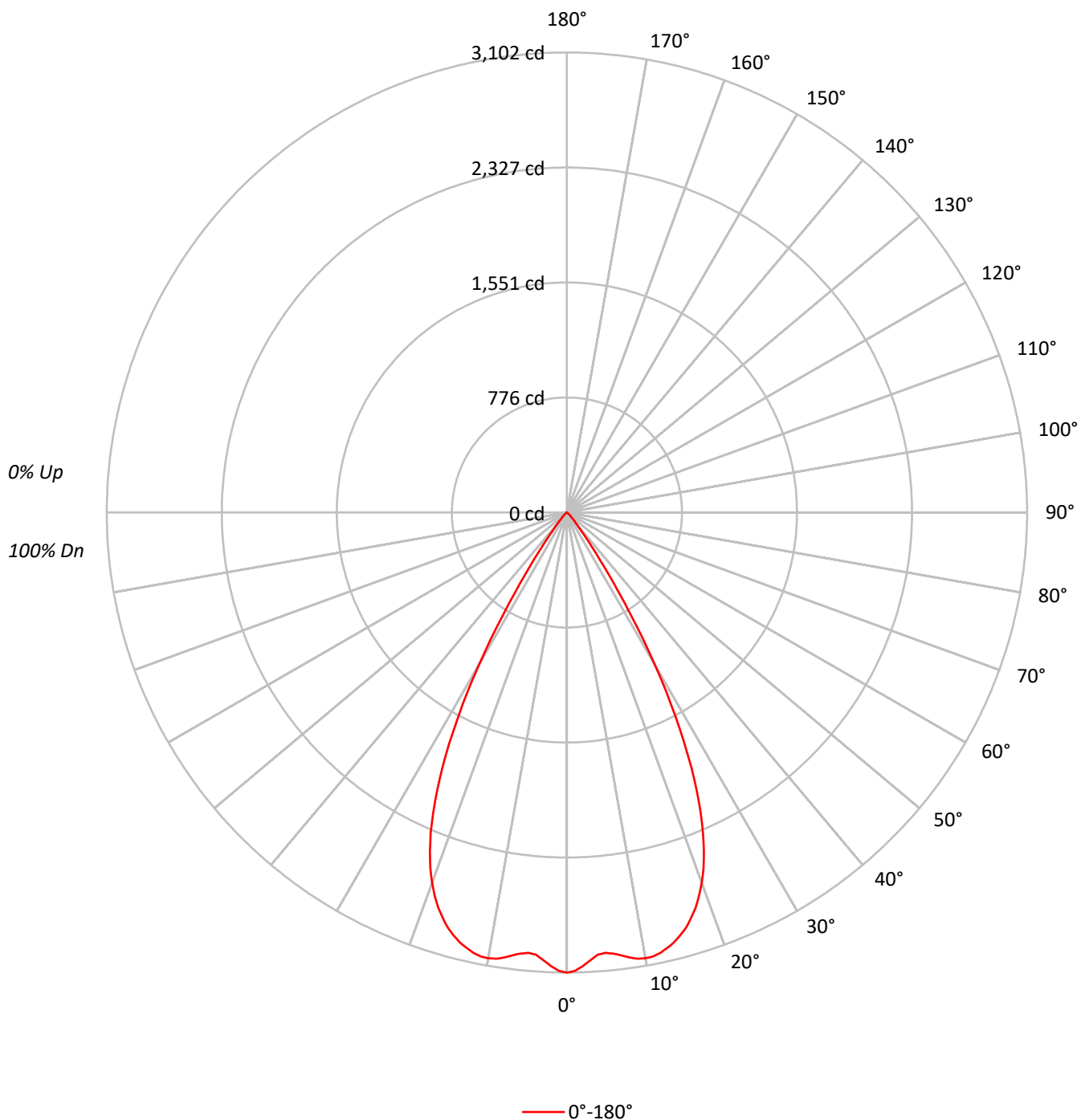
Lumens per Lamp: N/A
Luminaire Lumens: 2346.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258234

CATALOG NUMBER: P3AS20R559040D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1258234

CATALOG NUMBER: P3AS20R559040D010 E3D1LI

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	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	680318
5°	656239
10°	679702
15°	670129
20°	620184
25°	501585
30°	300603
35°	101884
40°	28053
45°	12435
50°	3650
55°	688
60°	395
65°	467
70°	577
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12435 cd/sqm

TEST NUMBER: P1258234

CATALOG NUMBER: P3AS20R559040D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.4	12.3
10°-20°	821.8	35.0
20°-30°	913.5	38.9
30°-40°	284.4	12.1
40°-50°	34.2	1.5
50°-60°	2.6	0.1
60°-70°	0.9	0.0
70°-80°	0.1	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°	2023.8	86.3
0°-40°	2308.2	98.4
0°-60°	2345.0	100.0
0°-90°	2346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2346.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3102	
5°	2981	288
15°	2952	822
25°	2073	914
35°	381	284
45°	40	34
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1258234

CATALOG NUMBER: P3AS20R559040D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	3102.5
1°	3090.9
2°	3060.6
3°	3023.2
4°	2989.3
5°	2981.3
6°	2990.2
7°	3008.9
8°	3030.3
9°	3047.2
10°	3052.6
11°	3049.0
12°	3034.7
13°	3012.5
14°	2986.6
15°	2951.9
16°	2911.7
17°	2860.9
18°	2803.9
19°	2735.3
20°	2657.7
21°	2569.5
22°	2465.2
23°	2350.3
24°	2218.3
25°	2073.1
26°	1913.5
27°	1744.2
28°	1563.3
29°	1377.0
30°	1187.2
31°	996.4
32°	810.2
32.5°	727.3
33°	641.7
34°	496.4
35°	380.6
36°	289.7
37°	214.8
37.5°	183.6
38°	159.5
39°	121.2
40°	98.0
42.5°	62.4
45°	40.1



TEST NUMBER: P1258234
CATALOG NUMBER: P3AS20R559040D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	24.1
50°	10.7
52.5°	3.6
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)