

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: P1250111

Luminaire Tested: P3AS20R559027D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559027D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

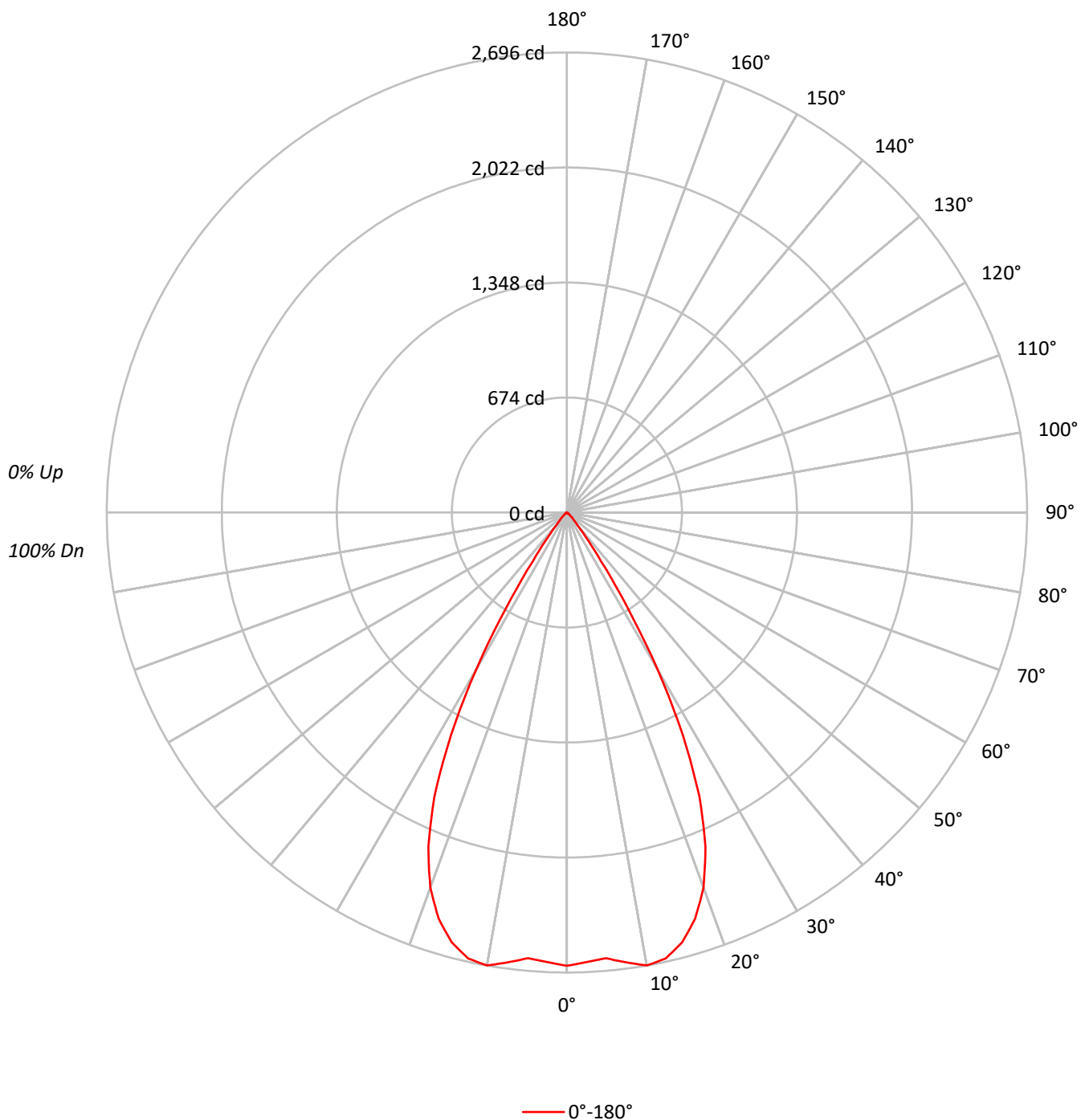
Lumens per Lamp: N/A
Luminaire Lumens: 2100.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1250111

CATALOG NUMBER: P3AS20R559027D010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1250111

CATALOG NUMBER: P3AS20R559027D010 E3CD1MW

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		101	100	99		98
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	582453
5°	577018
10°	600212
15°	591876
20°	545791
25°	444098
30°	269738
35°	93371
40°	26650
45°	12714
50°	5390
55°	2409
60°	2763
65°	2439
70°	2052
75°	2711
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12714 cd/sqm

TEST NUMBER: P1250111

CATALOG NUMBER: P3AS20R559027D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	12.1
10°-20°	724.6	34.5
20°-30°	807.8	38.5
30°-40°	264.3	12.6
40°-50°	34.8	1.7
50°-60°	7.4	0.4
60°-70°	4.3	0.2
70°-80°	2.7	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°	1785.9	85.0
0°-40°	2050.2	97.6
0°-60°	2092.4	99.6
0°-90°	2100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2100.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2656	
5°	2621	253
15°	2607	725
25°	1836	808
35°	349	264
45°	41	35
55°	6	7
65°	5	4
75°	3	3
85°	0	1
90°	0	

TEST NUMBER: P1250111

CATALOG NUMBER: P3AS20R559027D010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2656.2
2.5°	2637.2
5°	2621.4
7.5°	2659.3
10°	2695.6
12.5°	2676.7
15°	2607.2
17.5°	2496.8
20°	2338.9
22.5°	2121.1
25°	1835.5
27.5°	1472.5
30°	1065.3
32.5°	653.4
35°	348.8
37.5°	176.8
40°	93.1
42.5°	60.0
45°	41.0
47.5°	28.4
50°	15.8
52.5°	9.5
55°	6.3
57.5°	6.3
60°	6.3
62.5°	4.7
65°	4.7
67.5°	3.2
70°	3.2
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)