

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: P1272583

Luminaire Tested: P3AS20R209827D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209827D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

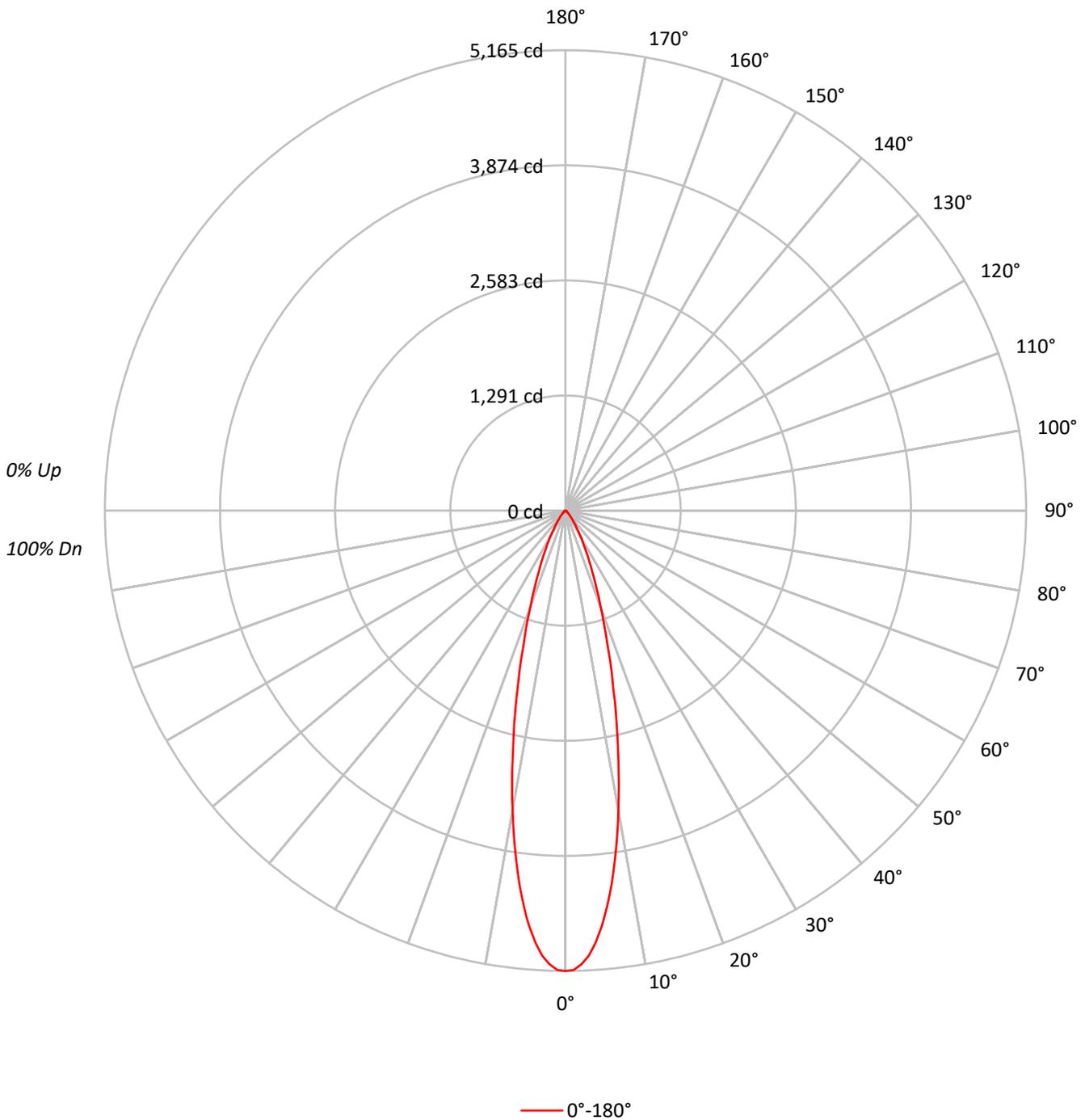
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1472.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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

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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			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98	97	95
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	94	92	91
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	92	90	88	87
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71	78	74	72	71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68	75	72	69	68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66	73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1132541
5°	1029493
10°	760863
15°	470672
20°	268777
25°	153444
30°	86064
35°	46819
40°	25648
45°	14110
50°	8256
55°	5964
60°	5614
65°	5189
70°	4552
75°	4829
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.0	27.5
10°-20°	578.2	39.3
20°-30°	301.8	20.5
30°-40°	116.7	7.9
40°-50°	37.9	2.6
50°-60°	14.9	1.0
60°-70°	9.9	0.7
70°-80°	5.8	0.4
80°-90°	1.9	0.1
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°	1284.9	87.3
0°-40°	1401.6	95.2
0°-60°	1454.4	98.8
0°-90°	1472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5165	
5°	4677	405
15°	2073	578
25°	634	302
35°	175	117
45°	46	38
55°	16	15
65°	10	10
75°	6	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5164.8
1°	5154.8
2°	5093.7
3°	4999.8
4°	4854.8
5°	4677.0
6°	4466.6
7°	4233.4
8°	3963.2
9°	3700.1
10°	3417.1
12.5°	2716.1
15°	2073.3
17.5°	1551.4
20°	1151.8
22.5°	853.2
25°	634.2
27.5°	467.8
30°	339.9
32.5°	246.0
35°	174.9
37.5°	126.6
40°	89.6
42.5°	64.0
45°	45.5
47.5°	32.7
50°	24.2
52.5°	18.5
55°	15.6
57.5°	14.2
60°	12.8
62.5°	11.4
65°	10.0
67.5°	8.5
70°	7.1
72.5°	7.1
75°	5.7
77.5°	4.3
80°	2.8
82.5°	2.8
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)