

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: P1272701

Luminaire Tested: P3AS20R409827D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409827D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

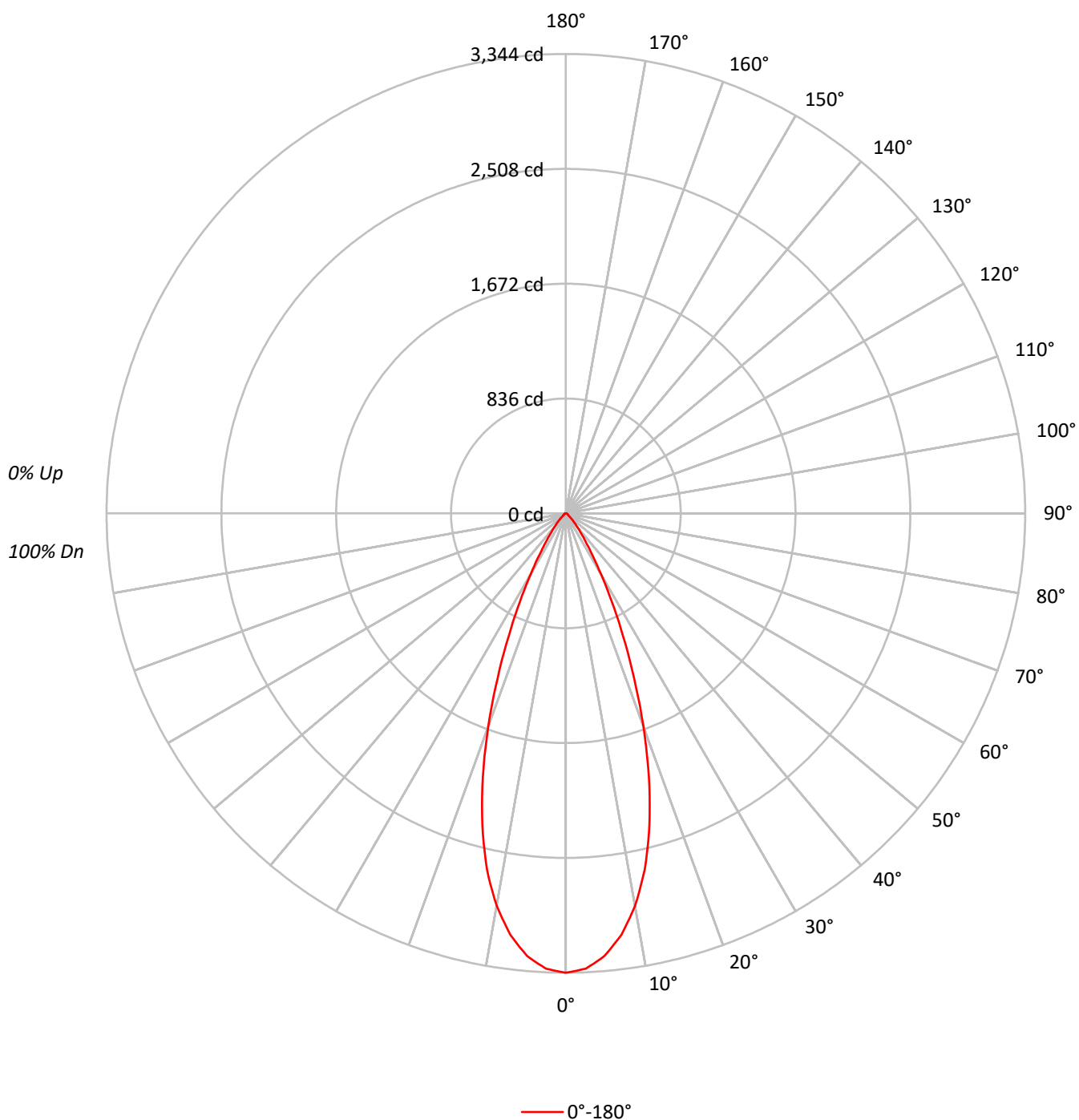
Lumens per Lamp: N/A
Luminaire Lumens: 1657.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	67	67	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	64	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	61	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	733209
5°	711907
10°	646036
15°	533715
20°	384987
25°	238127
30°	128931
35°	66629
40°	36239
45°	20281
50°	10200
55°	7608
60°	6842
65°	6641
70°	6411
75°	6015
80°	5430
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.1	18.0
10°-20°	640.2	38.6
20°-30°	456.9	27.6
30°-40°	168.2	10.2
40°-50°	53.0	3.2
50°-60°	18.4	1.1
60°-70°	12.7	0.8
70°-80°	7.5	0.5
80°-90°	2.1	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°	1395.2	84.2
0°-40°	1563.3	94.3
0°-60°	1634.7	98.7
0°-90°	1657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1657.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3344	
5°	3234	298
15°	2351	640
25°	984	457
35°	249	168
45°	65	53
55°	20	18
65°	13	13
75°	7	8
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3343.7
2.5°	3318.1
5°	3234.2
7.5°	3094.8
10°	2901.4
12.5°	2655.3
15°	2351.0
17.5°	2009.6
20°	1649.8
22.5°	1295.7
25°	984.2
27.5°	722.5
30°	509.2
32.5°	357.0
35°	248.9
37.5°	176.4
40°	126.6
42.5°	91.0
45°	65.4
47.5°	44.1
50°	29.9
52.5°	21.3
55°	19.9
57.5°	18.5
60°	15.6
62.5°	14.2
65°	12.8
67.5°	11.4
70°	10.0
72.5°	8.5
75°	7.1
77.5°	5.7
80°	4.3
82.5°	2.8
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)