

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: P1252594

Luminaire Tested: P3AS20R159030D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159030D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

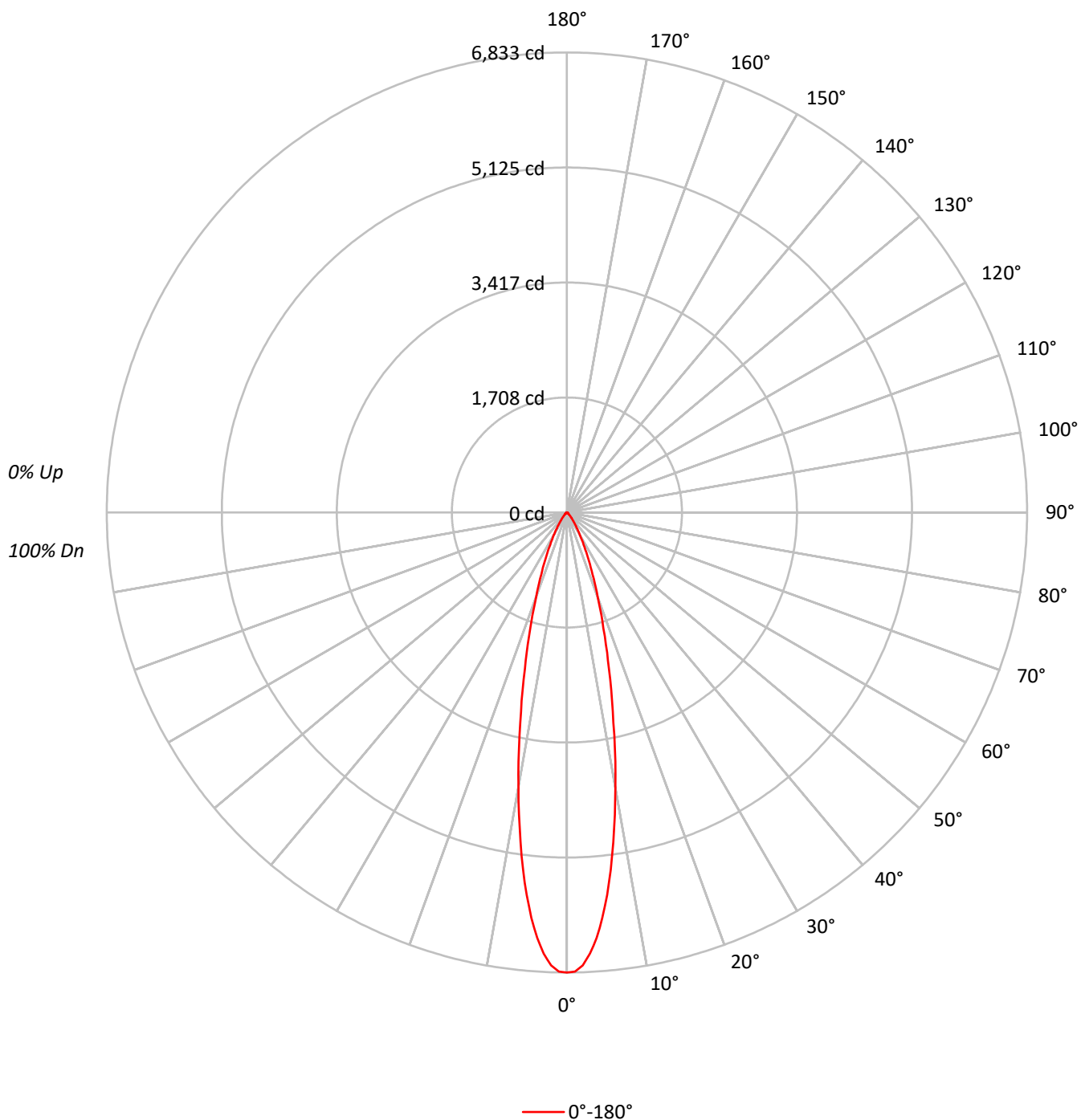
Lumens per Lamp: N/A
Luminaire Lumens: 1754.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1498367
5°	1330043
10°	923652
15°	546223
20°	311107
25°	177833
30°	98395
35°	52468
40°	29026
45°	15723
50°	9791
55°	7761
60°	6666
65°	6123
70°	5386
75°	5761
80°	4293
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.8	29.3
10°-20°	678.1	38.7
20°-30°	349.1	19.9
30°-40°	131.1	7.5
40°-50°	42.9	2.4
50°-60°	18.5	1.1
60°-70°	11.7	0.7
70°-80°	6.9	0.4
80°-90°	1.8	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°	1541.1	87.9
0°-40°	1672.2	95.3
0°-60°	1733.6	98.8
0°-90°	1754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1754.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6833	
5°	6042	514
15°	2406	678
25°	735	349
35°	196	131
45°	51	43
55°	20	18
65°	12	12
75°	7	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6833.1
1°	6819.6
2°	6730.1
3°	6559.4
4°	6334.7
5°	6042.4
6°	5711.2
7°	5347.9
8°	4944.1
9°	4545.3
10°	4148.2
12.5°	3191.8
15°	2406.1
17.5°	1801.2
20°	1333.2
22.5°	995.2
25°	735.0
27.5°	535.6
30°	388.6
32.5°	275.4
35°	196.0
37.5°	140.2
40°	101.4
42.5°	72.7
45°	50.7
47.5°	37.2
50°	28.7
52.5°	23.7
55°	20.3
57.5°	16.9
60°	15.2
62.5°	13.5
65°	11.8
67.5°	10.1
70°	8.4
72.5°	8.4
75°	6.8
77.5°	5.1
80°	3.4
82.5°	3.4
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)