

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: P1252707

Luminaire Tested: P3AS20R359030D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R359030D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

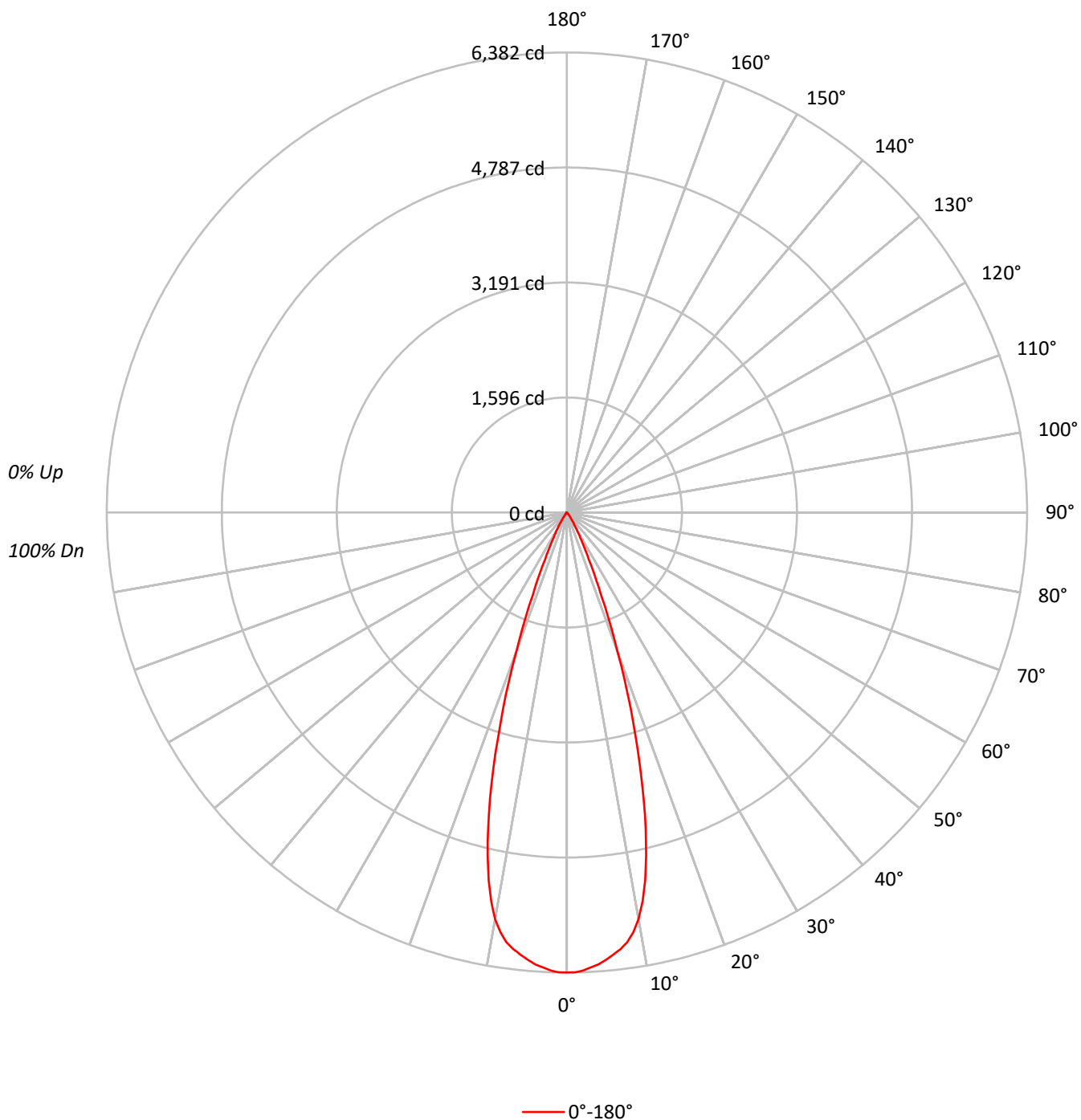
Lumens per Lamp: N/A
Luminaire Lumens: 2146.1 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	77
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1399340
5°	1370831
10°	1275283
15°	934988
20°	478772
25°	172558
30°	67175
35°	23530
40°	9675
45°	2636
50°	2320
55°	2600
60°	2237
65°	1764
70°	2180
75°	2881
80°	2147
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 2881 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.6	27.1
10°-20°	1089.3	50.8
20°-30°	385.7	18.0
30°-40°	67.5	3.1
40°-50°	9.9	0.5
50°-60°	5.5	0.3
60°-70°	4.0	0.2
70°-80°	2.9	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°	2055.6	95.8
0°-40°	2123.1	98.9
0°-60°	2138.5	99.6
0°-90°	2146.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2146.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6382	
5°	6228	581
15°	4119	1089
25°	713	386
35°	88	68
45°	8	10
55°	7	6
65°	3	4
75°	3	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6381.5
1°	6379.8
2°	6359.5
3°	6320.6
4°	6285.1
5°	6227.7
6°	6168.5
7°	6102.6
8°	6021.5
9°	5894.8
10°	5727.4
11°	5495.9
12°	5217.1
13°	4885.8
14°	4520.8
15°	4118.6
17.5°	3067.4
20°	2051.7
22.5°	1237.1
25°	713.2
27.5°	425.9
30°	265.3
32.5°	153.8
35°	87.9
37.5°	55.8
40°	33.8
42.5°	16.9
45°	8.5
47.5°	6.8
50°	6.8
52.5°	6.8
55°	6.8
57.5°	5.1
60°	5.1
62.5°	5.1
65°	3.4
67.5°	3.4
70°	3.4
72.5°	3.4
75°	3.4
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)