

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: P1258003

Luminaire Tested: P3AS20R159040D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159040D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

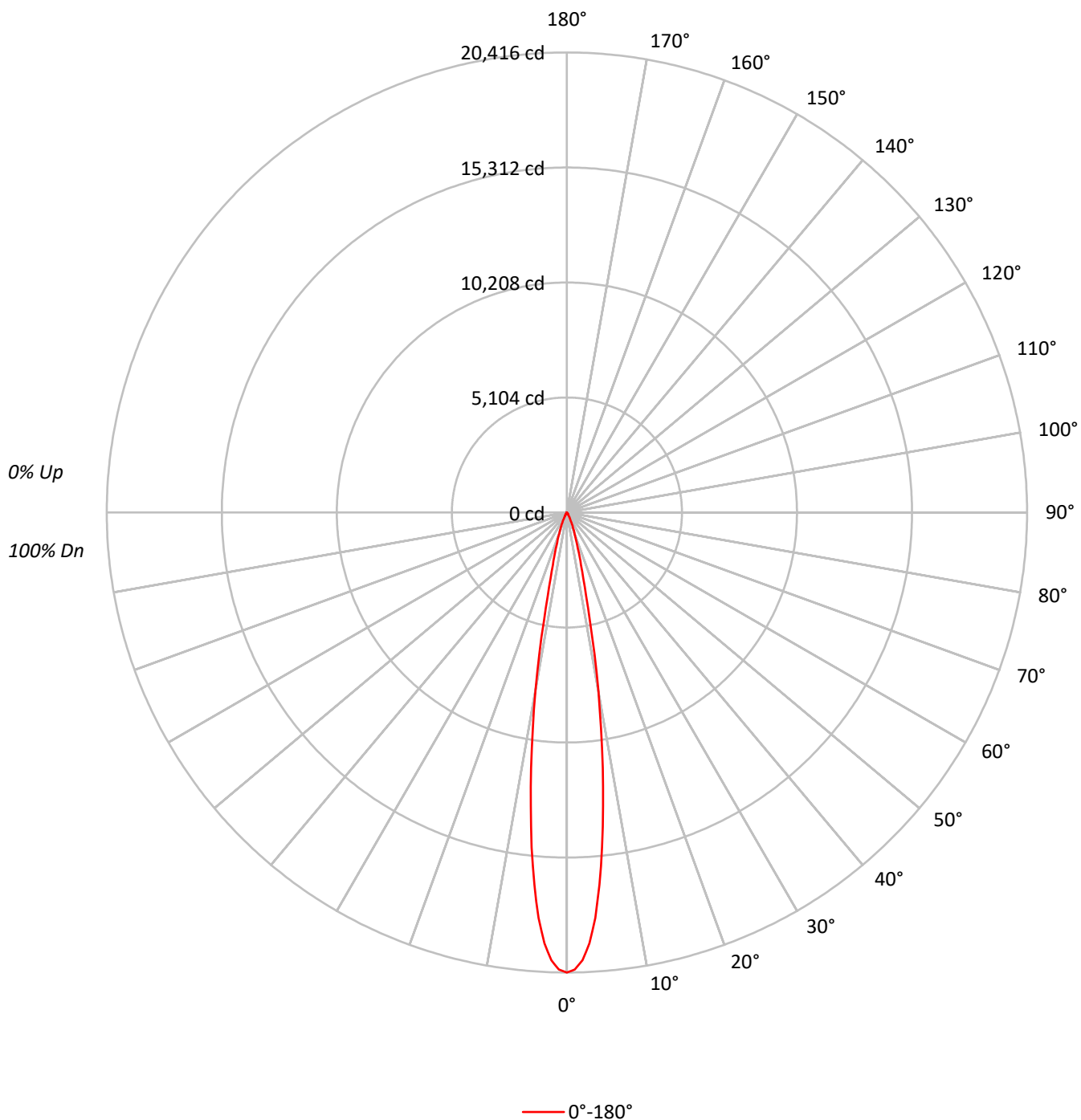
Lumens per Lamp: N/A
Luminaire Lumens: 2351.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98		
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94		
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	90		
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88		
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87		
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85		
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	89	86	85	84		
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4476900
5°	3650618
10°	1787854
15°	547222
20°	231743
25°	104837
30°	40867
35°	18846
40°	5868
45°	2202
50°	921
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1290.9	54.9
10°-20°	792.1	33.7
20°-30°	212.8	9.1
30°-40°	46.9	2.0
40°-50°	6.6	0.3
50°-60°	1.2	0.1
60°-70°	0.6	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	2295.9	97.7
0°-40°	2342.7	99.6
0°-60°	2350.5	100.0
0°-90°	2351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2351.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20416	
5°	16585	###
15°	2410	792
25°	433	213
35°	70	47
45°	7	7
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20416.3
1°	20288.9
2°	19879.7
3°	19142.4
4°	18032.6
5°	16584.8
6°	14947.2
7°	13123.3
8°	11447.3
9°	9670.6
10°	8029.4
11°	6405.2
12°	4928.0
13°	3790.5
14°	3000.7
15°	2410.5
17.5°	1494.1
20°	993.1
22.5°	668.6
25°	433.3
27.5°	256.7
30°	161.4
32.5°	108.8
35°	70.4
37.5°	39.2
40°	20.5
42.5°	11.6
45°	7.1
47.5°	4.5
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)