

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: P1252794

Luminaire Tested: P3AS20R509030D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509030D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

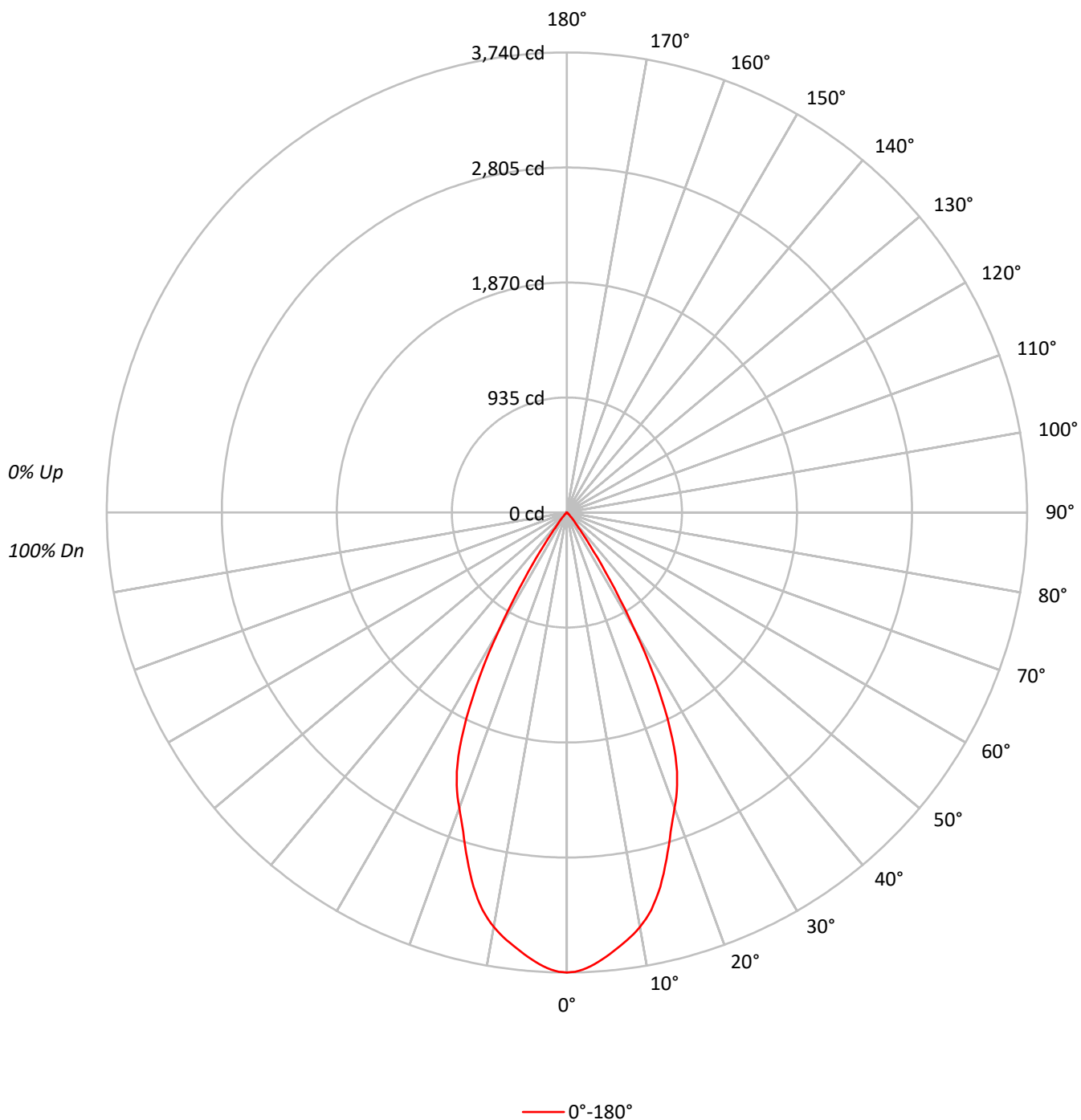
Lumens per Lamp: N/A
Luminaire Lumens: 2347.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80		
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68		
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	820176
5°	798347
10°	761843
15°	689697
20°	596685
25°	489440
30°	281157
35°	87348
40°	23473
45°	8218
50°	1979
55°	650
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	14.5
10°-20°	841.8	35.9
20°-30°	884.8	37.7
30°-40°	253.2	10.8
40°-50°	24.7	1.1
50°-60°	2.0	0.1
60°-70°	0.7	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°	2066.3	88.0
0°-40°	2319.5	98.8
0°-60°	2346.3	100.0
0°-90°	2347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2347.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3740	
5°	3627	340
15°	3038	842
25°	2023	885
35°	326	253
45°	26	25
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3740.3
1°	3734.5
2°	3718.0
3°	3694.0
4°	3661.7
5°	3626.9
6°	3589.6
7°	3549.9
8°	3512.6
9°	3469.6
10°	3421.5
11°	3366.1
12°	3302.3
13°	3222.8
14°	3136.7
15°	3038.1
16°	2933.8
17°	2832.8
18°	2729.3
19°	2638.2
20°	2557.0
21°	2479.2
22°	2390.6
23°	2288.8
24°	2169.5
25°	2022.9
26°	1864.0
27°	1686.8
28°	1510.4
29°	1319.9
30°	1110.4
31°	914.2
32°	733.7
32.5°	655.0
33°	575.5
34°	441.4
35°	326.3
36°	239.3
37°	178.0
37.5°	154.0
38°	133.3
39°	103.5
40°	82.0
42.5°	46.4
45°	26.5

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	14.9
50°	5.8
52.5°	2.5
55°	1.7
57.5°	1.7
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
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
90°	0.0

(END OF REPORT)