

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: P1247724

Luminaire Tested: P3AS20R509024D010 E3D1WH

Issue Date: 1/29/2026

**Test Information**

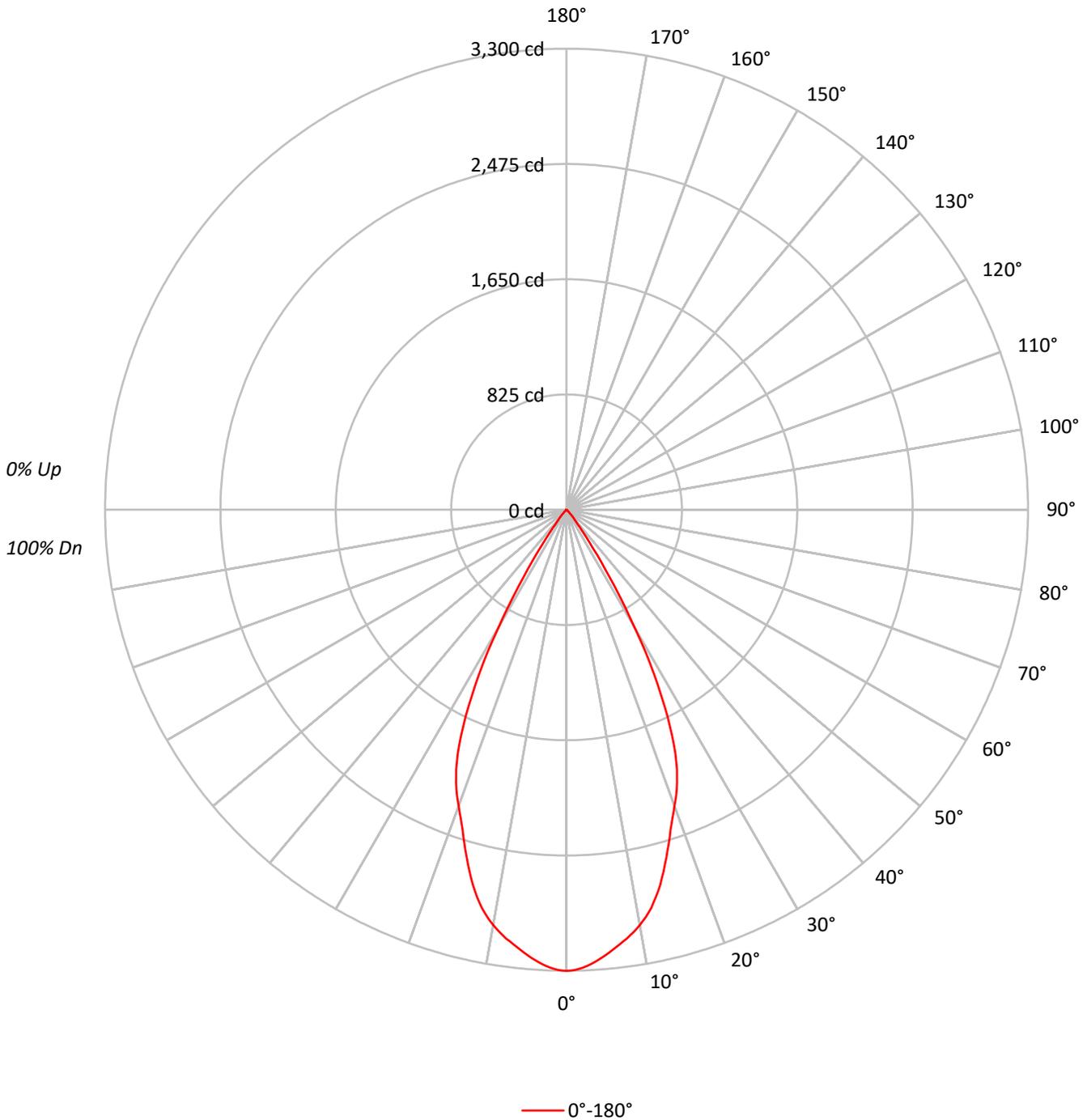
Test Method: LM-79-2019  
Report Number: P1247724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R509024D010 E3D1WH  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2071.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 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			0	
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68	68	68	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65	65	65	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59	59	59	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	723736
5°	704467
10°	672265
15°	608607
20°	526516
25°	431904
30°	248089
35°	77069
40°	20696
45°	7257
50°	1740
55°	573
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7257 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.8	14.5
10°-20°	742.8	35.9
20°-30°	780.7	37.7
30°-40°	223.5	10.8
40°-50°	21.8	1.1
50°-60°	1.8	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°	1823.3	88.0
0°-40°	2046.8	98.8
0°-60°	2070.4	100.0
0°-90°	2071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2071.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3300	
5°	3200	300
15°	2681	743
25°	1785	781
35°	288	223
45°	23	22
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3300.5
1°	3295.4
2°	3280.8
3°	3259.6
4°	3231.1
5°	3200.4
6°	3167.5
7°	3132.4
8°	3099.5
9°	3061.6
10°	3019.2
11°	2970.2
12°	2914.0
13°	2843.8
14°	2767.8
15°	2680.9
16°	2588.8
17°	2499.7
18°	2408.3
19°	2327.9
20°	2256.3
21°	2187.7
22°	2109.5
23°	2019.6
24°	1914.4
25°	1785.1
26°	1644.8
27°	1488.4
28°	1332.8
29°	1164.7
30°	979.8
31°	806.7
32°	647.4
32.5°	578.0
33°	507.8
34°	389.5
35°	287.9
36°	211.2
37°	157.1
37.5°	135.9
38°	117.6
39°	91.3
40°	72.3
42.5°	40.9
45°	23.4



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	13.2
50°	5.1
52.5°	2.2
55°	1.5
57.5°	1.5
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
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)