

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: P1250199

Luminaire Tested: P3AS20R709027D010 E3D1H

Issue Date: 1/29/2026

**Test Information**

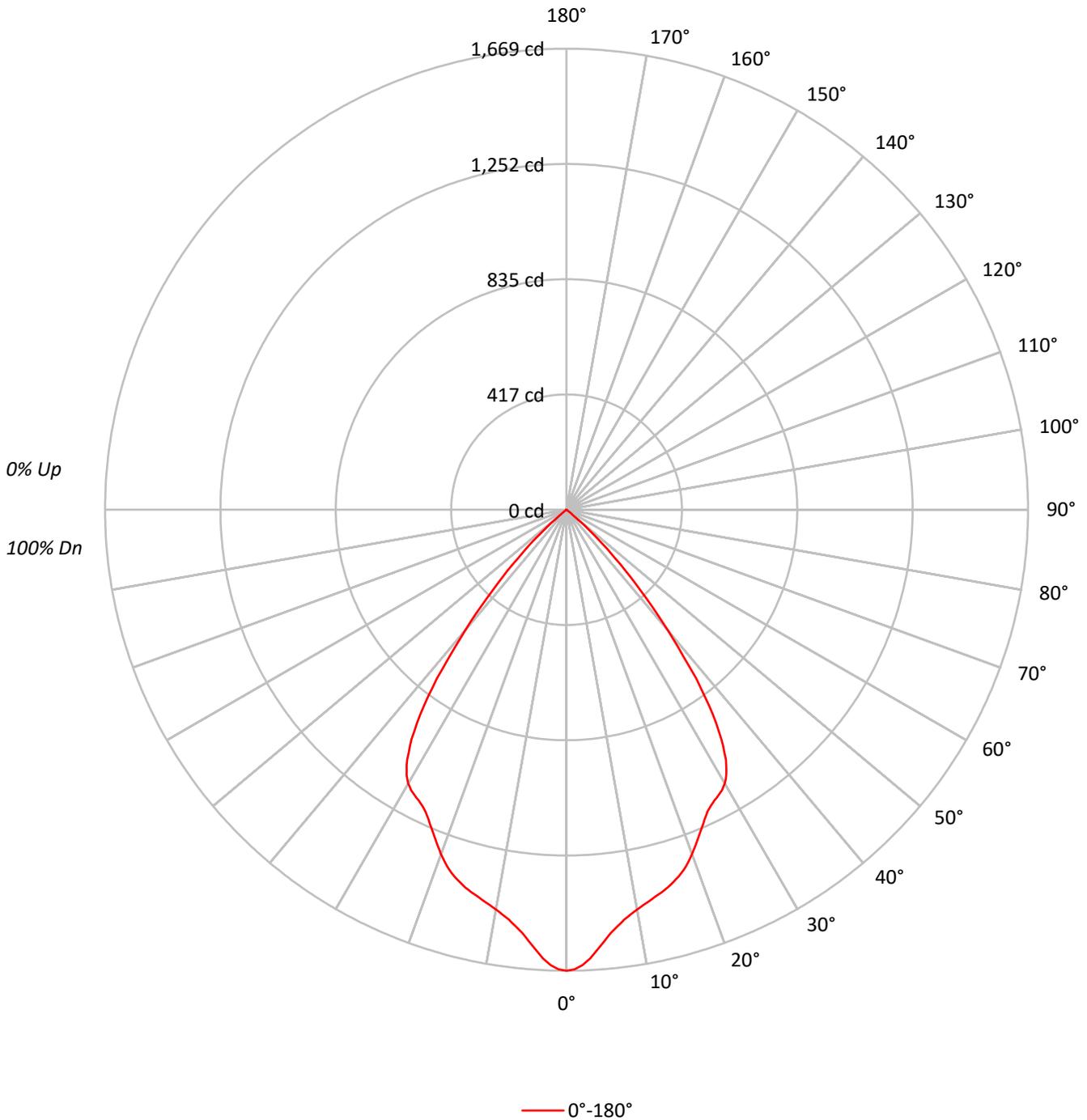
Test Method: LM-79-2019  
Report Number: P1250199  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R709027D010 E3D1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1882.0 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
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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CATALOG NUMBER: P3AS20R709027D010 E3D1H

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79				79
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72				72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66				66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57				57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49				49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45

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

	0°
0°	365936
5°	345057
10°	327182
15°	321296
20°	309707
25°	291936
30°	289867
35°	252434
40°	163277
45°	77186
50°	10814
55°	879
60°	658
65°	778
70°	513
75°	678
80°	1010
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 77186 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.4	7.8
10°-20°	397.5	21.1
20°-30°	562.3	29.9
30°-40°	565.1	30.0
40°-50°	203.2	10.8
50°-60°	5.5	0.3
60°-70°	1.2	0.1
70°-80°	0.8	0.0
80°-90°	0.1	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°	1106.1	58.8
0°-40°	1671.2	88.8
0°-60°	1879.8	99.9
0°-90°	1882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1669	
5°	1568	146
15°	1415	397
25°	1207	562
35°	943	565
45°	249	203
55°	2	5
65°	2	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1668.8
1°	1664.2
2°	1649.5
3°	1626.3
4°	1596.9
5°	1567.6
6°	1539.7
7°	1518.1
8°	1498.8
9°	1483.3
10°	1469.4
11°	1457.8
12°	1447.0
13°	1436.2
14°	1426.1
15°	1415.3
16°	1402.2
17°	1388.2
18°	1371.2
19°	1350.4
20°	1327.2
21°	1301.7
22°	1276.2
23°	1251.4
24°	1227.5
25°	1206.6
26°	1191.9
27°	1180.3
28°	1171.0
29°	1160.2
30°	1144.8
31°	1122.3
32°	1090.7
32.5°	1072.9
33°	1048.9
34°	1001.8
35°	943.0
36°	878.1
37°	804.7
37.5°	770.6
38°	724.3
39°	641.6
40°	570.4
42.5°	395.0
45°	248.9



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	133.7
50°	31.7
52.5°	3.9
55°	2.3
57.5°	2.3
60°	1.5
62.5°	1.5
65°	1.5
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)