

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: P1272636

Luminaire Tested: P3AS20R309827D010 E3D1WH

Issue Date: 1/29/2026

**Test Information**

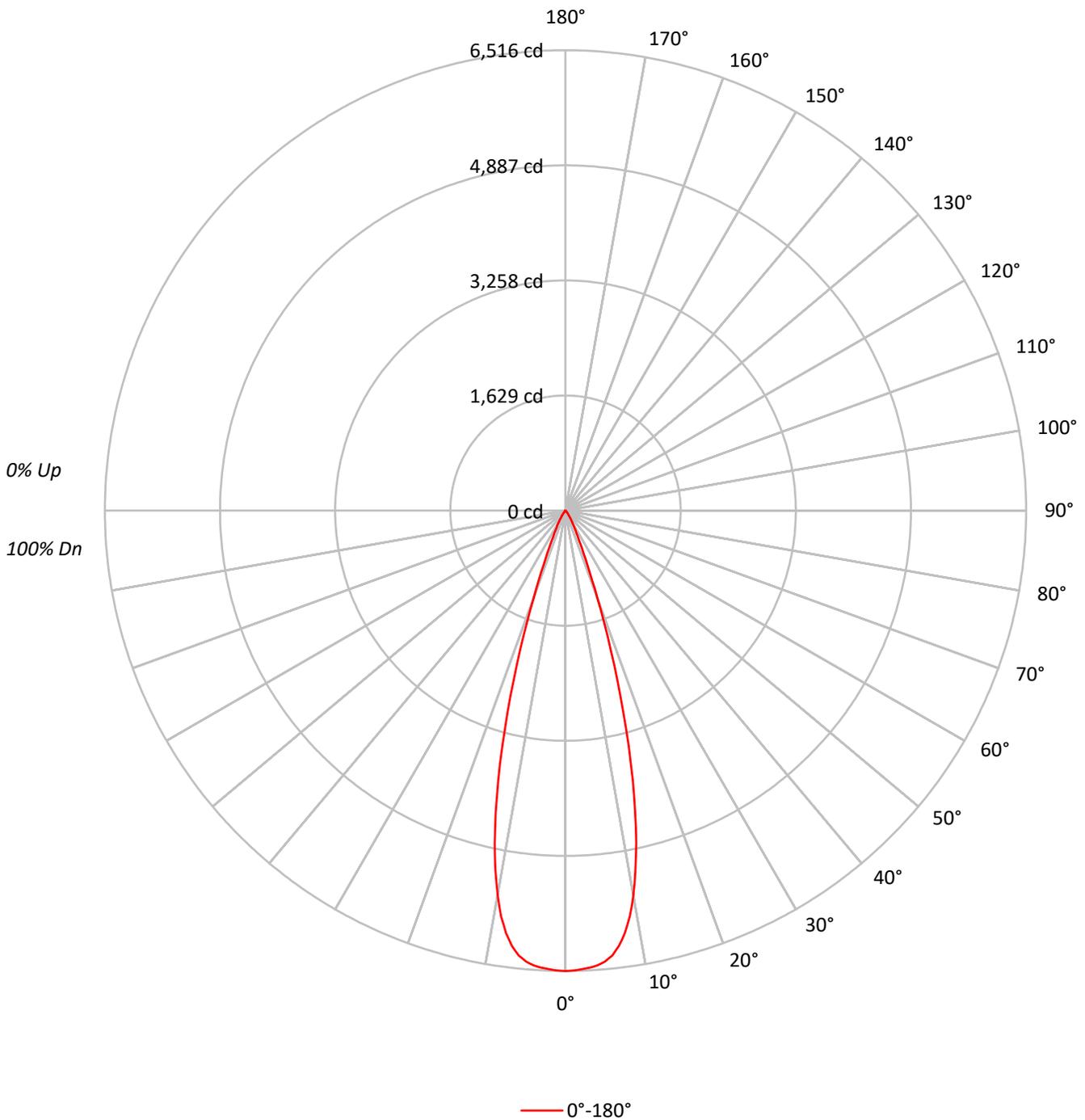
Test Method: LM-79-2019  
Report Number: P1272636  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R309827D010 E3D1WH  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1796.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
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

TEST NUMBER: P1272636  
CATALOG NUMBER: P3AS20R309827D010 E3D1WH

### Luminous Intensity Polar Plot





TEST NUMBER: P1272636  
 CATALOG NUMBER: P3AS20R309827D010 E3D1WH

**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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88	90
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	86	85	88
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	82	85
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72	74

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

	0°
0°	1428943
5°	1410320
10°	1231329
15°	782661
20°	310080
25°	103579
30°	48185
35°	21844
40°	8387
45°	4093
50°	1194
55°	535
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4093 cd/sqm



TEST NUMBER: P1272636  
 CATALOG NUMBER: P3AS20R309827D010 E3D1WH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	585.8	32.6
10°-20°	908.4	50.6
20°-30°	234.2	13.0
30°-40°	55.0	3.1
40°-50°	10.7	0.6
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°	1728.4	96.2
0°-40°	1783.4	99.3
0°-60°	1795.4	100.0
0°-90°	1796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1796.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6516	
5°	6407	586
15°	3448	908
25°	428	234
35°	82	55
45°	13	11
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1272636  
CATALOG NUMBER: P3AS20R309827D010 E3D1WH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6516.5
1°	6511.7
2°	6496.3
3°	6478.9
4°	6453.1
5°	6407.1
6°	6332.5
7°	6208.4
8°	6039.0
9°	5818.0
10°	5530.0
11°	5187.7
12°	4814.0
13°	4383.9
14°	3933.5
15°	3447.6
16°	2971.4
17°	2512.6
18°	2072.7
19°	1669.1
20°	1328.8
21°	1045.8
22°	822.7
23°	651.2
24°	521.5
25°	428.1
26°	357.0
27°	303.3
28°	262.1
29°	224.5
30°	190.3
32.5°	119.9
35°	81.6
37.5°	50.9
40°	29.3
42.5°	19.5
45°	13.2
47.5°	7.7
50°	3.5
52.5°	1.4
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P1272636  
CATALOG NUMBER: P3AS20R309827D010 E3D1WH

**CANDELA DISTRIBUTION (continued):**

	0°
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)