

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: P1258023

Luminaire Tested: P3AS20R159040D010 E3PH1MW

Issue Date: 1/29/2026

**Test Information**

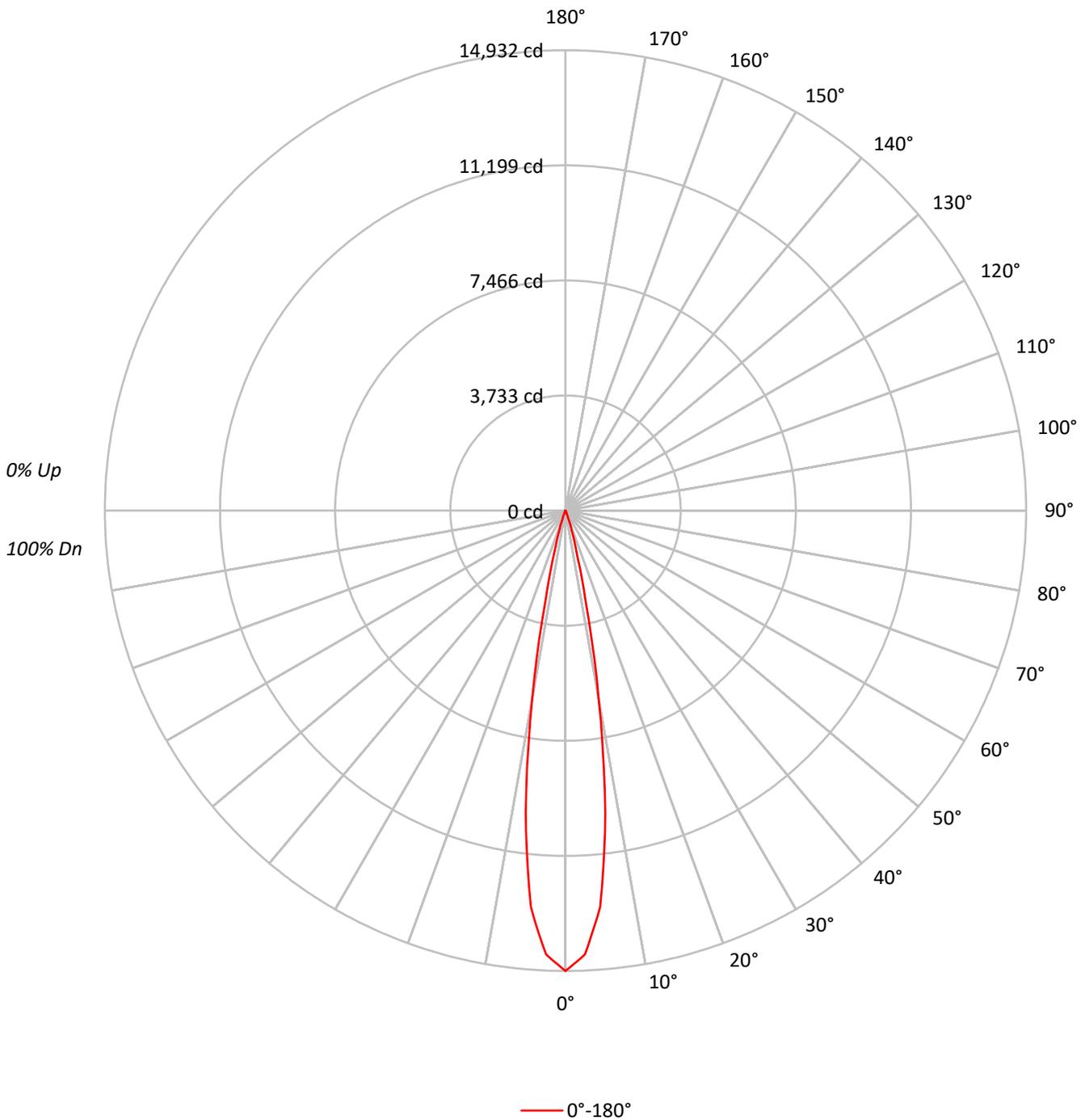
Test Method: LM-79-2019  
Report Number: P1258023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159040D010 E3PH1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1553.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 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

TEST NUMBER: P1258023  
CATALOG NUMBER: P3AS20R159040D010 E3PH1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1258023  
 CATALOG NUMBER: P3AS20R159040D010 E3PH1MW

**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	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	99	99	99	99
2	113	110	108	106	111	109	107	105	106	104	103	103	102	100	100	99	98	98	98	98	97
3	111	107	104	102	109	106	103	101	104	101	100	101	100	98	99	98	97	97	97	97	96
4	109	104	101	99	107	103	101	99	102	99	98	100	98	97	98	97	95	98	97	95	94
5	107	102	99	97	105	101	99	96	100	97	96	99	96	95	97	96	94	97	96	94	93
6	105	100	97	95	104	100	97	95	98	96	94	97	95	93	96	94	93	96	94	93	92
7	103	98	95	93	102	98	95	93	97	94	93	96	94	92	95	93	92	95	93	92	91
8	101	97	94	92	101	96	94	92	96	93	91	95	93	91	94	92	91	94	92	91	90
9	100	95	92	90	99	95	92	90	94	92	90	94	91	90	93	91	90	93	91	90	89
10	99	94	91	89	98	94	91	89	93	91	89	93	90	89	92	90	89	92	90	89	88

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

	0°
0°	3274409
5°	2838998
10°	1380357
15°	294463
20°	61885
25°	18412
30°	4001
35°	696
40°	0
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

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



TEST NUMBER: P1258023  
 CATALOG NUMBER: P3AS20R159040D010 E3PH1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1007.5	64.9
10°-20°	500.9	32.3
20°-30°	41.8	2.7
30°-40°	2.7	0.2
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	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°	1550.3	99.8
0°-40°	1553.0	100.0
0°-60°	1553.0	100.0
0°-90°	1553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14932	
5°	12898	###
15°	1297	501
25°	76	42
35°	3	3
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1258023  
CATALOG NUMBER: P3AS20R159040D010 E3PH1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14932.5
2.5°	14410.0
5°	12897.6
7.5°	9875.3
10°	6199.3
12.5°	2982.8
15°	1297.1
17.5°	661.7
20°	265.2
22.5°	131.3
25°	76.1
27.5°	39.4
30°	15.8
32.5°	5.3
35°	2.6
37.5°	2.6
40°	0.0
42.5°	0.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
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
90°	0.0

(END OF REPORT)