

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: P1250407

Luminaire Tested: P3AS24R459027D010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

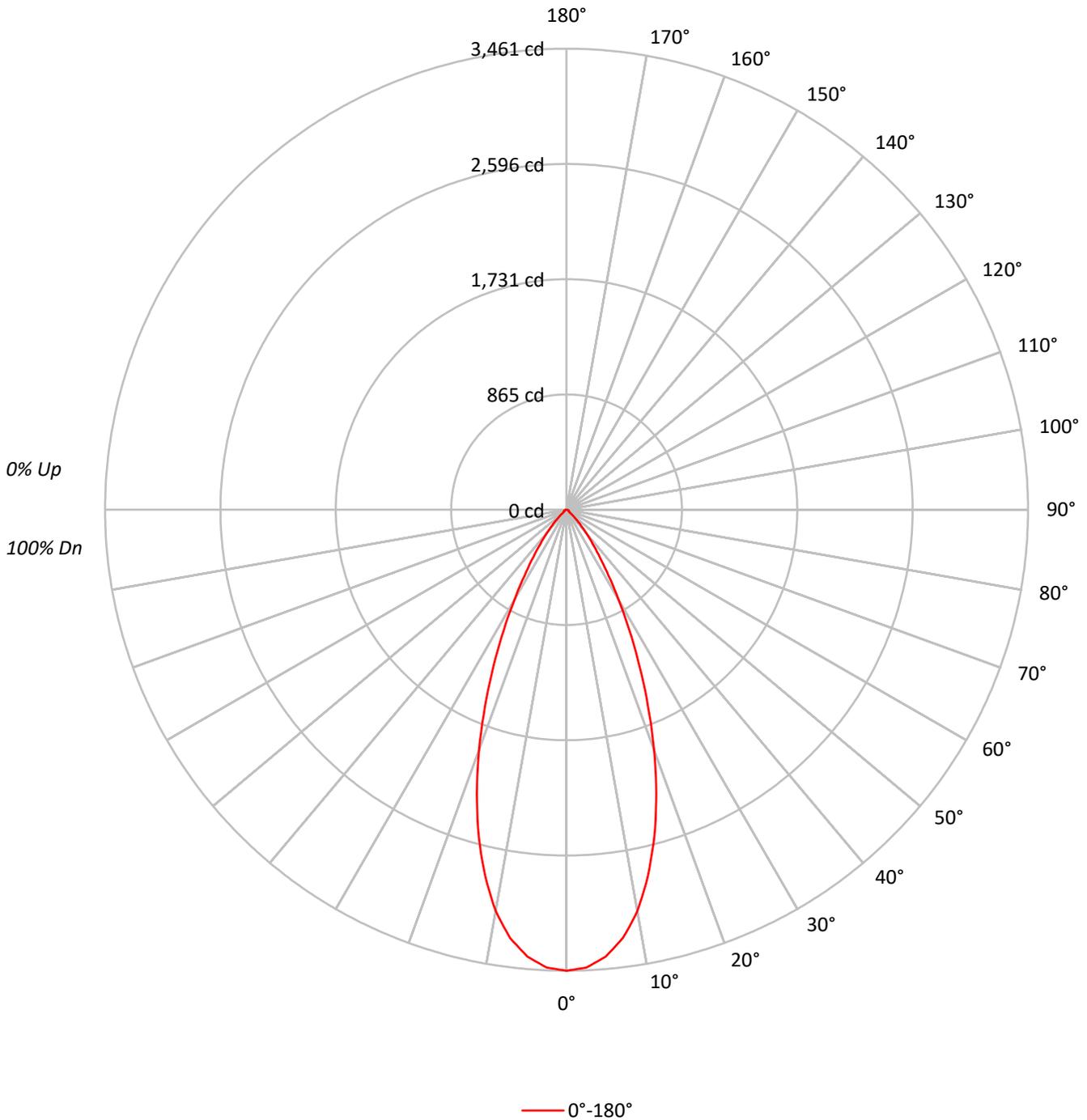
Test Method: LM-79-2019  
Report Number: P1250407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS24R459027D010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2021.0 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69  
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: P1250407  
CATALOG NUMBER: P3AS24R459027D010 E3DL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1250407  
 CATALOG NUMBER: P3AS24R459027D010 E3DL1MW

**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	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	88	88	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	70	70	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66	66	66	66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62	62	62	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59	59	59	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57	57

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

	0°
0°	758952
5°	741160
10°	681328
15°	577302
20°	447899
25°	313107
30°	197246
35°	116125
40°	65695
45°	31941
50°	11087
55°	8984
60°	8727
65°	8457
70°	8142
75°	7625
80°	6819
85°	4529

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31941 cd/sqm



TEST NUMBER: P1250407  
 CATALOG NUMBER: P3AS24R459027D010 E3DL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.7	15.4
10°-20°	698.3	34.6
20°-30°	593.0	29.3
30°-40°	282.9	14.0
40°-50°	85.2	4.2
50°-60°	21.6	1.1
60°-70°	16.1	0.8
70°-80°	9.5	0.5
80°-90°	2.7	0.1
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°	1603.0	79.3
0°-40°	1885.9	93.3
0°-60°	1992.6	98.6
0°-90°	2021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2021.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3461	
5°	3367	312
15°	2543	698
25°	1294	593
35°	434	283
45°	103	85
55°	24	22
65°	16	16
75°	9	10
85°	2	3
90°	0	



TEST NUMBER: P1250407  
CATALOG NUMBER: P3AS24R459027D010 E3DL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3461.1
2.5°	3439.4
5°	3367.1
7.5°	3242.4
10°	3059.9
12.5°	2817.7
15°	2543.0
17.5°	2237.5
20°	1919.4
22.5°	1595.9
25°	1294.1
27.5°	1019.4
30°	779.0
32.5°	585.6
35°	433.8
37.5°	319.9
40°	229.5
42.5°	159.0
45°	103.0
47.5°	57.8
50°	32.5
52.5°	25.3
55°	23.5
57.5°	21.7
60°	19.9
62.5°	18.1
65°	16.3
67.5°	14.5
70°	12.7
72.5°	10.8
75°	9.0
77.5°	7.2
80°	5.4
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)