

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: P1261175

Luminaire Tested: P3AS24R559050D010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1261175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R559050D010 E3D1H
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

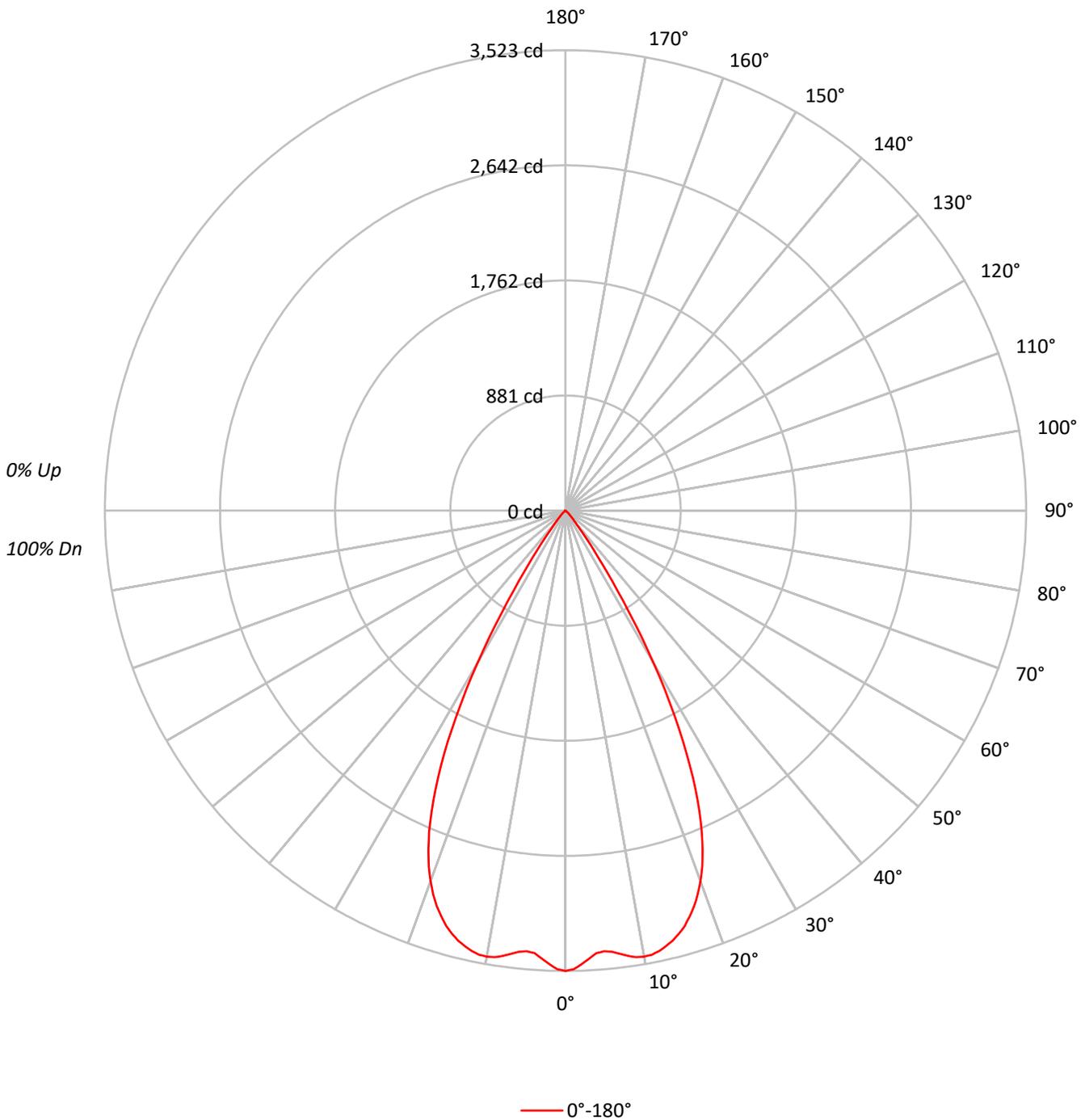
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2663.9 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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: P1261175
CATALOG NUMBER: P3AS24R559050D010 E3D1H

Luminous Intensity Polar Plot





TEST NUMBER: P1261175
 CATALOG NUMBER: P3AS24R559050D010 E3D1H

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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79	79	79	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75	75	75	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71	71	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	772526
5°	745188
10°	771818
15°	760958
20°	704261
25°	569573
30°	341344
35°	115697
40°	31860
45°	14110
50°	4128
55°	765
60°	439
65°	519
70°	641
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14110 cd/sqm



TEST NUMBER: P1261175
 CATALOG NUMBER: P3AS24R559050D010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	12.3
10°-20°	933.2	35.0
20°-30°	1037.4	38.9
30°-40°	322.9	12.1
40°-50°	38.7	1.5
50°-60°	3.0	0.1
60°-70°	1.0	0.0
70°-80°	0.1	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°	2298.2	86.3
0°-40°	2621.1	98.4
0°-60°	2662.8	100.0
0°-90°	2663.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2663.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3523	
5°	3385	328
15°	3352	933
25°	2354	1037
35°	432	323
45°	46	39
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1261175
CATALOG NUMBER: P3AS24R559050D010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3523.0
1°	3509.9
2°	3475.5
3°	3432.9
4°	3394.5
5°	3385.4
6°	3395.5
7°	3416.8
8°	3441.0
9°	3460.3
10°	3466.3
11°	3462.3
12°	3446.1
13°	3420.8
14°	3391.4
15°	3352.0
16°	3306.4
17°	3248.7
18°	3184.0
19°	3106.0
20°	3018.0
21°	2917.8
22°	2799.4
23°	2668.8
24°	2519.0
25°	2354.1
26°	2172.9
27°	1980.6
28°	1775.2
29°	1563.6
30°	1348.1
31°	1131.5
32°	920.0
32.5°	825.8
33°	728.7
34°	563.7
35°	432.2
36°	328.9
37°	243.9
37.5°	208.5
38°	181.2
39°	137.6
40°	111.3
42.5°	70.8
45°	45.5



TEST NUMBER: P1261175
CATALOG NUMBER: P3AS24R559050D010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	27.3
50°	12.1
52.5°	4.0
55°	2.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
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)