

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: P1253165

Luminaire Tested: P3AS24R559030D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1253165
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: P3AS24R559030D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

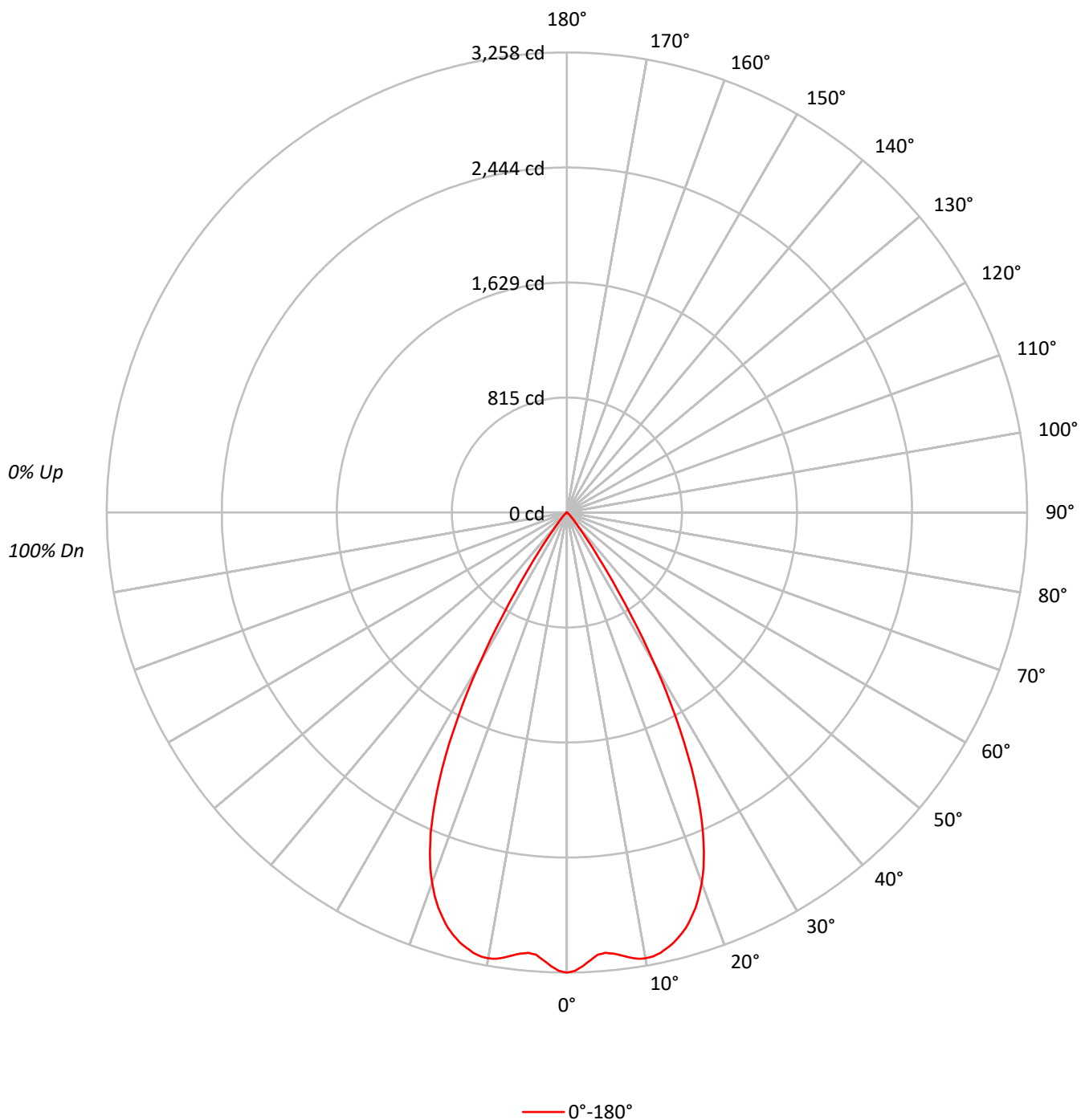
Lumens per Lamp: N/A
Luminaire Lumens: 2463.9 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1253165

CATALOG NUMBER: P3AS24R559030D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1253165

CATALOG NUMBER: P3AS24R559030D010 E3D1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	714526
5°	689234
10°	713881
15°	703818
20°	651383
25°	526797
30°	315719
35°	106997
40°	29484
45°	13056
50°	3821
55°	726
60°	395
65°	467
70°	577
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13056 cd/sqm

TEST NUMBER: P1253165

CATALOG NUMBER: P3AS24R559030D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	12.3
10°-20°	863.2	35.0
20°-30°	959.5	38.9
30°-40°	298.7	12.1
40°-50°	35.9	1.5
50°-60°	2.7	0.1
60°-70°	0.9	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°	2125.6	86.3
0°-40°	2424.3	98.4
0°-60°	2462.9	100.0
0°-90°	2463.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2463.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3258	
5°	3131	303
15°	3100	863
25°	2177	959
35°	400	299
45°	42	36
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1253165

CATALOG NUMBER: P3AS24R559030D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	3258.5
1°	3246.4
2°	3214.5
3°	3175.2
4°	3139.6
5°	3131.2
6°	3140.6
7°	3160.2
8°	3182.7
9°	3200.5
10°	3206.1
11°	3202.4
12°	3187.4
13°	3164.0
14°	3136.8
15°	3100.3
16°	3058.2
17°	3004.8
18°	2944.9
19°	2872.9
20°	2791.4
21°	2698.7
22°	2589.2
23°	2468.5
24°	2329.9
25°	2177.3
26°	2009.8
27°	1831.9
28°	1641.9
29°	1446.3
30°	1246.9
31°	1046.5
32°	850.9
32.5°	763.8
33°	674.0
34°	521.4
35°	399.7
36°	304.2
37°	225.6
37.5°	192.8
38°	167.6
39°	127.3
40°	103.0
42.5°	65.5
45°	42.1



TEST NUMBER: P1253165
CATALOG NUMBER: P3AS24R559030D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	25.3
50°	11.2
52.5°	3.7
55°	1.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)