

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: P1252478

Luminaire Tested: P3AS17R559030DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252478
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: P3AS17R559030DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

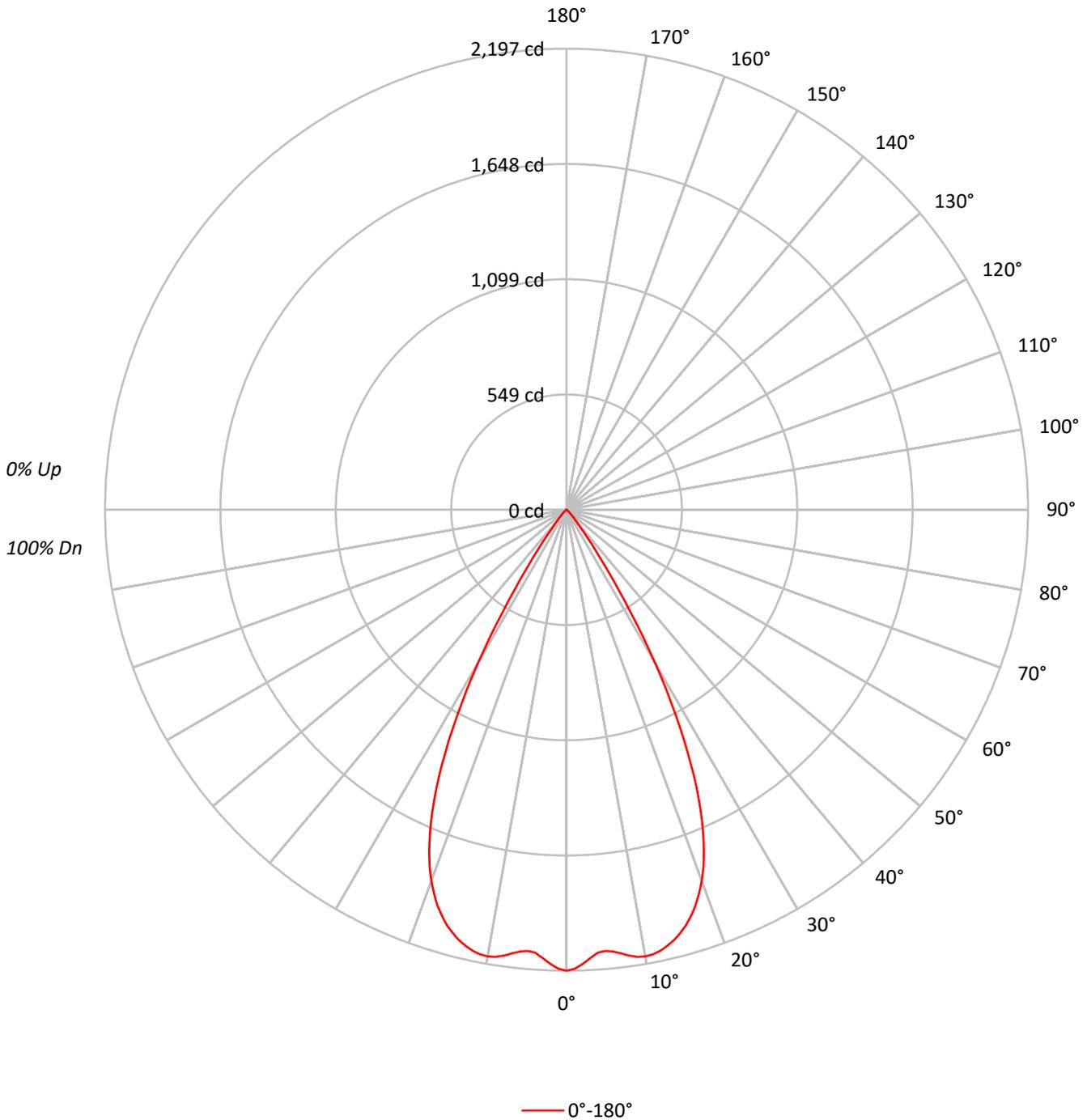
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.0 lumens
Efficiency: N/A
Efficacy: 78.3 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): 21.2
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: P1252478
CATALOG NUMBER: P3AS17R559030DE010 E3D1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1252478

CATALOG NUMBER: P3AS17R559030DE010 E3D1WMH

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°	481672
5°	464626
10°	481242
15°	474464
20°	439102
25°	355133
30°	212818
35°	72116
40°	19866
45°	8807
50°	2593
55°	497
60°	263
65°	311
70°	385
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8807 cd/sqm



TEST NUMBER: P1252478
 CATALOG NUMBER: P3AS17R559030DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	12.3
10°-20°	581.9	35.0
20°-30°	646.8	38.9
30°-40°	201.4	12.1
40°-50°	24.2	1.5
50°-60°	1.9	0.1
60°-70°	0.6	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°	1432.9	86.3
0°-40°	1634.2	98.4
0°-60°	1660.3	100.0
0°-90°	1661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2197	
5°	2111	204
15°	2090	582
25°	1468	647
35°	269	201
45°	28	24
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1252478
CATALOG NUMBER: P3AS17R559030DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2196.6
1°	2188.4
2°	2166.9
3°	2140.4
4°	2116.5
5°	2110.8
6°	2117.1
7°	2130.3
8°	2145.5
9°	2157.5
10°	2161.3
11°	2158.7
12°	2148.6
13°	2132.9
14°	2114.6
15°	2090.0
16°	2061.6
17°	2025.6
18°	1985.2
19°	1936.6
20°	1881.7
21°	1819.2
22°	1745.4
23°	1664.0
24°	1570.6
25°	1467.8
26°	1354.8
27°	1234.9
28°	1106.8
29°	974.9
30°	840.5
31°	705.5
32°	573.6
32.5°	514.9
33°	454.3
34°	351.5
35°	269.4
36°	205.1
37°	152.1
37.5°	130.0
38°	113.0
39°	85.8
40°	69.4
42.5°	44.2
45°	28.4



TEST NUMBER: P1252478
CATALOG NUMBER: P3AS17R559030DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	17.0
50°	7.6
52.5°	2.5
55°	1.3
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)