

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: P1261798

Luminaire Tested: P3AS05R159727DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1261798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R159727DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

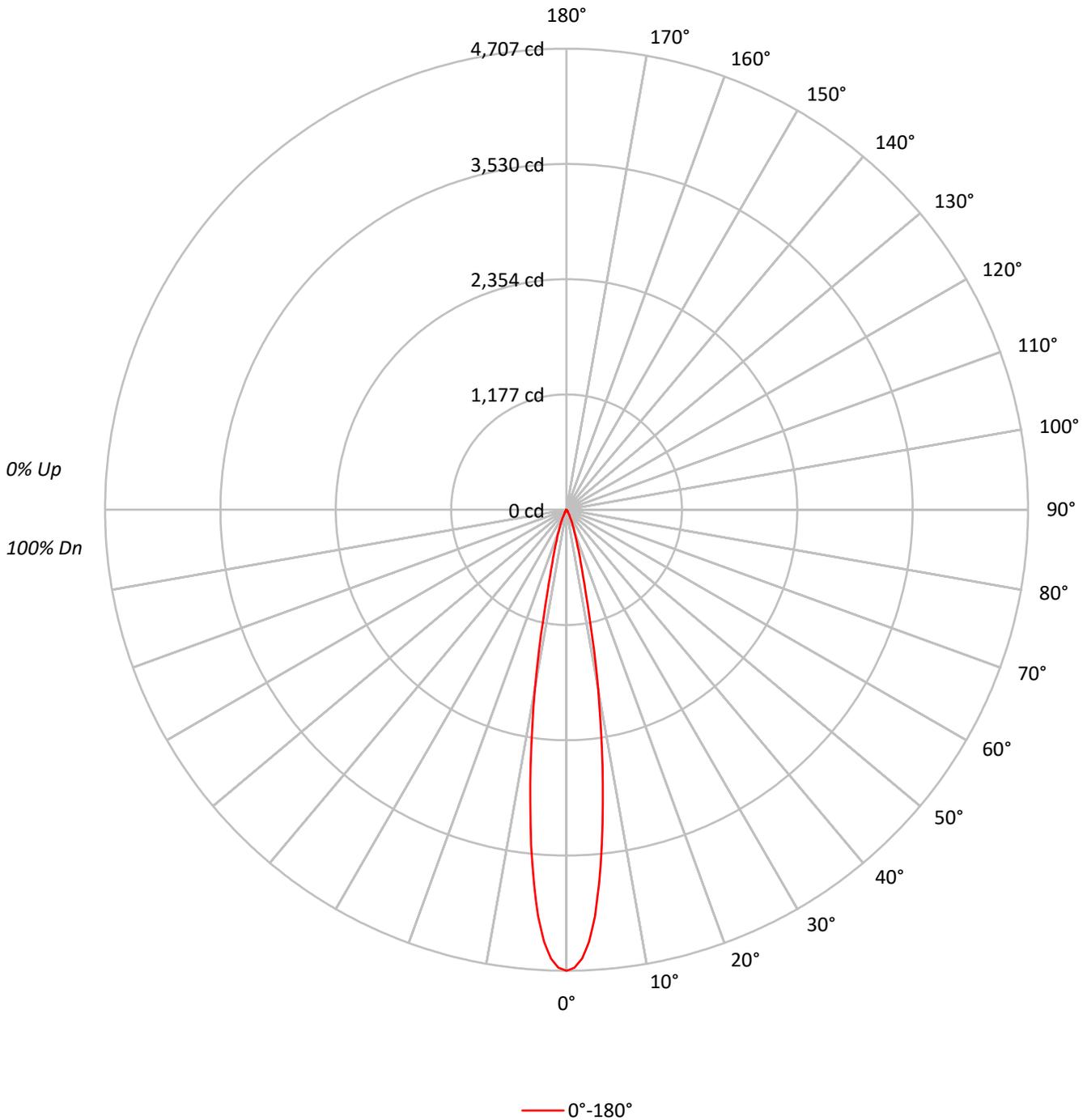
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 542.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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

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Luminous Intensity Polar Plot





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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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	96	106	101	98	96	99	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	94	93	91	90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	91	89	88	87
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	90	88	86	85
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	87	85	83	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1032110
5°	841622
10°	412172
15°	126153
20°	53415
25°	24171
30°	9419
35°	4337
40°	1345
45°	496
50°	205
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 496 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.6	54.9
10°-20°	182.6	33.7
20°-30°	49.0	9.1
30°-40°	10.8	2.0
40°-50°	1.5	0.3
50°-60°	0.3	0.0
60°-70°	0.1	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°	529.3	97.7
0°-40°	540.1	99.7
0°-60°	541.8	100.0
0°-90°	542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	542.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4707	
5°	3824	298
15°	556	183
25°	100	49
35°	16	11
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4706.8
1°	4677.4
2°	4583.1
3°	4413.1
4°	4157.2
5°	3823.5
6°	3445.9
7°	3025.4
8°	2639.1
9°	2229.5
10°	1851.1
11°	1476.7
12°	1136.1
13°	873.9
14°	691.8
15°	555.7
17.5°	344.4
20°	228.9
22.5°	154.1
25°	99.9
27.5°	59.2
30°	37.2
32.5°	25.1
35°	16.2
37.5°	9.0
40°	4.7
42.5°	2.7
45°	1.6
47.5°	1.0
50°	0.6
52.5°	0.4
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)