

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: P1256497

Luminaire Tested: P3AS05R159040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256497
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: P3AS05R159040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

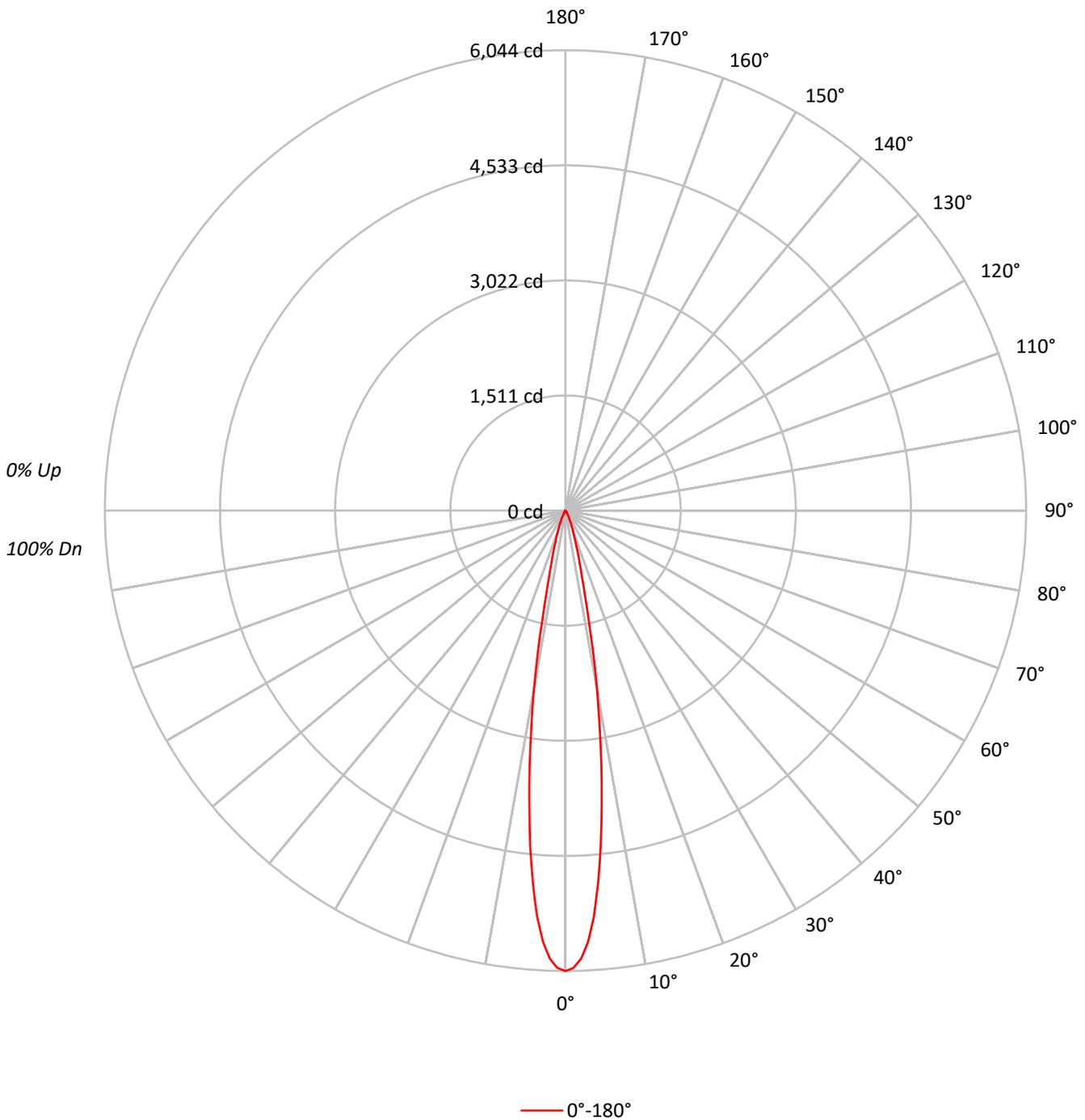
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.0 lumens
Efficiency: N/A
Efficacy: 96.7 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 (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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1325354
5°	1080737
10°	529293
15°	161999
20°	68606
25°	31042
30°	12103
35°	5568
40°	1746
45°	651
50°	273
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 651 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.2	54.9
10°-20°	234.5	33.7
20°-30°	63.0	9.1
30°-40°	13.9	2.0
40°-50°	1.9	0.3
50°-60°	0.4	0.1
60°-70°	0.2	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°	679.7	97.7
0°-40°	693.5	99.6
0°-60°	695.8	100.0
0°-90°	696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6044	
5°	4910	382
15°	714	235
25°	128	63
35°	21	14
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6044.1
1°	6006.4
2°	5885.3
3°	5667.0
4°	5338.4
5°	4909.8
6°	4425.0
7°	3885.1
8°	3388.9
9°	2862.9
10°	2377.1
11°	1896.2
12°	1458.9
13°	1122.2
14°	888.3
15°	713.6
17.5°	442.3
20°	294.0
22.5°	197.9
25°	128.3
27.5°	76.0
30°	47.8
32.5°	32.2
35°	20.8
37.5°	11.6
40°	6.1
42.5°	3.4
45°	2.1
47.5°	1.3
50°	0.8
52.5°	0.5
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
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)