

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: P1293630

Luminaire Tested: P3A09R45W2N902765DE010 E3CD1MMS\_2700K

Issue Date: 1/30/2026

**Test Information**

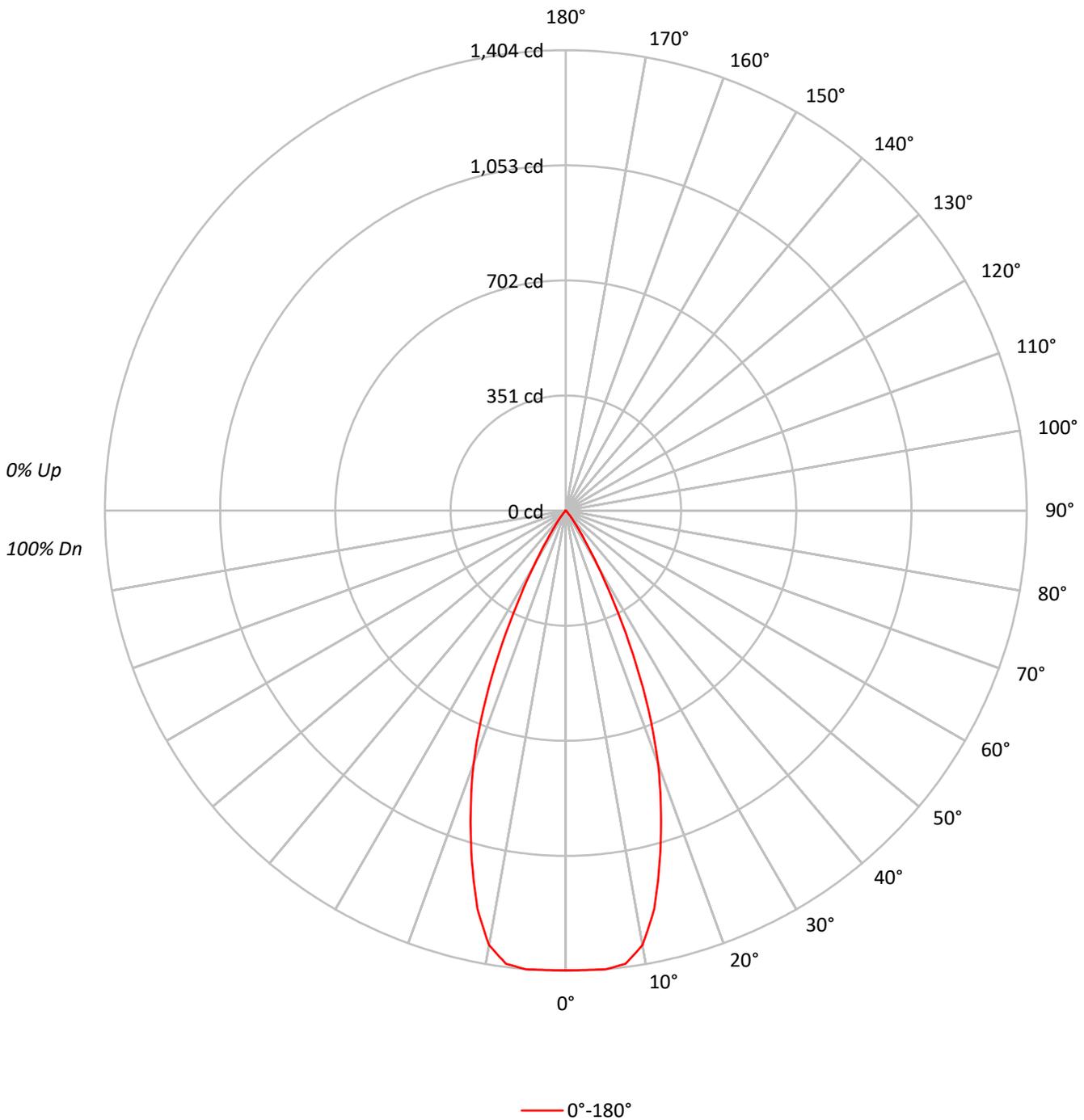
Test Method: LM-79-2019  
Report Number: P1293630  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R45W2N902765DE010 E3CD1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 709.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9  
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97		95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92		91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88		86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84		82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80		79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76		75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73		72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70		69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67		66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65		64

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	307388
5°	309024
10°	299527
15°	251012
20°	191887
25°	116813
30°	48590
35°	15580
40°	4838
45°	992
50°	716
55°	803
60°	702
65°	830
70°	705
75°	932
80°	631
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 992 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	18.7
10°-20°	303.9	42.9
20°-30°	218.8	30.9
30°-40°	45.5	6.4
40°-50°	4.2	0.6
50°-60°	1.7	0.2
60°-70°	1.4	0.2
70°-80°	0.9	0.1
80°-90°	0.2	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°	655.1	92.4
0°-40°	700.6	98.8
0°-60°	706.5	99.6
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1402	
5°	1404	132
15°	1106	304
25°	483	219
35°	58	46
45°	3	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1401.8
2.5°	1402.3
5°	1403.9
7.5°	1393.9
10°	1345.2
12.5°	1243.7
15°	1105.7
17.5°	964.5
20°	822.3
22.5°	658.9
25°	482.8
27.5°	318.3
30°	191.9
32.5°	107.3
35°	58.2
37.5°	32.8
40°	16.9
42.5°	7.4
45°	3.2
47.5°	2.1
50°	2.1
52.5°	2.1
55°	2.1
57.5°	1.6
60°	1.6
62.5°	1.6
65°	1.6
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)