

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: P1293670

Luminaire Tested: P3AS09R45W2N902765DE010 E3DL1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

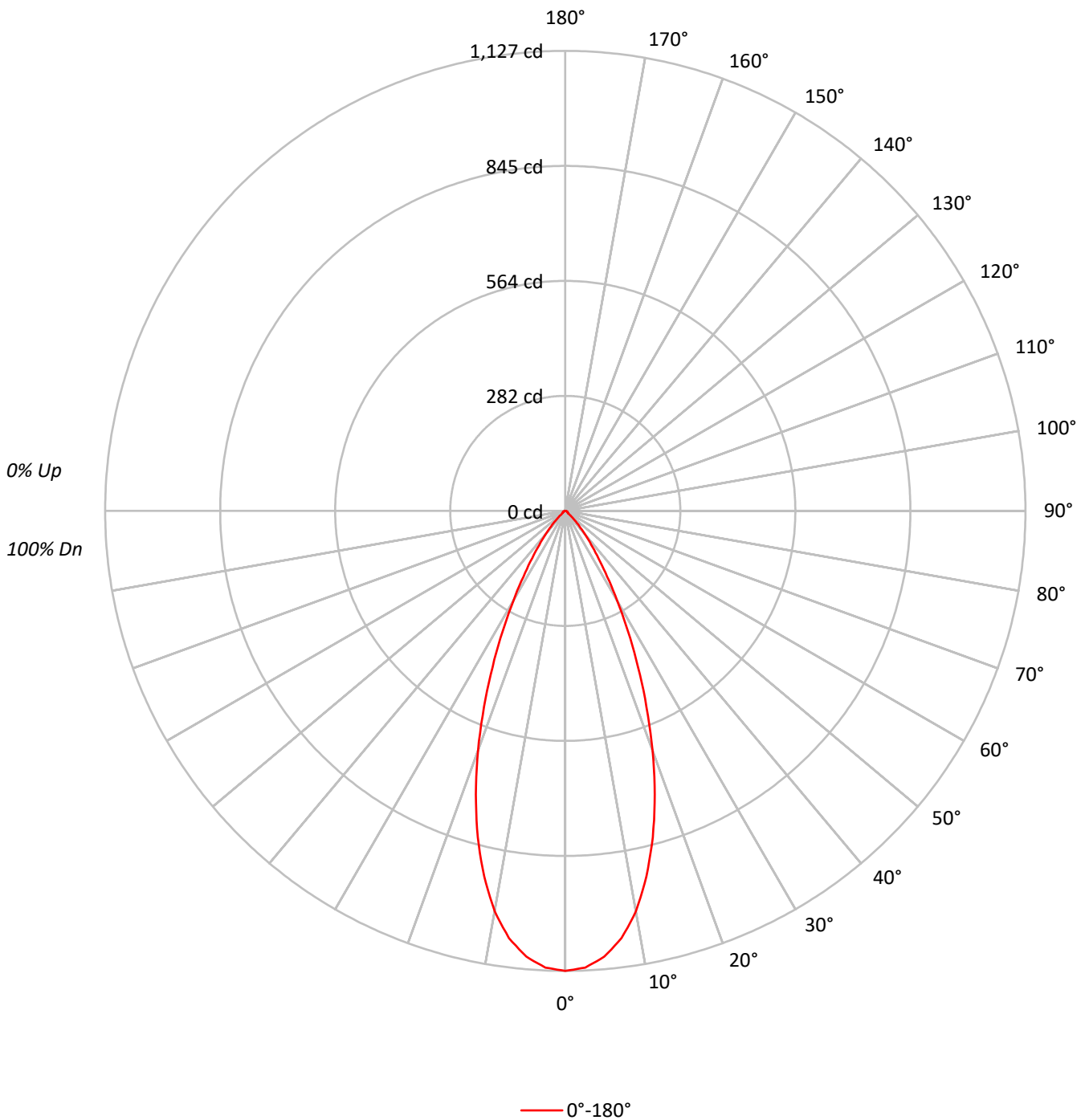
Test Method: LM-79-2019  
Report Number: P1293670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R45W2N902765DE010 E3DL1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,  
E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 658.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69  
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	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
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83			83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			74
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70			70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62			62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59			59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			57

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

	0°
0°	247107
5°	241316
10°	221817
15°	187947
20°	145823
25°	101933
30°	64212
35°	37798
40°	21383
45°	10389
50°	3616
55°	2906
60°	2851
65°	2750
70°	2629
75°	2457
80°	2273
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10389 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.5	15.4
10°-20°	227.4	34.6
20°-30°	193.1	29.3
30°-40°	92.1	14.0
40°-50°	27.7	4.2
50°-60°	7.0	1.1
60°-70°	5.2	0.8
70°-80°	3.1	0.5
80°-90°	0.9	0.1
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°	521.9	79.3
0°-40°	614.0	93.3
0°-60°	648.8	98.6
0°-90°	658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	658.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1127	
5°	1096	101
15°	828	227
25°	421	193
35°	141	92
45°	34	28
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1126.9
2.5°	1119.8
5°	1096.3
7.5°	1055.7
10°	996.2
12.5°	917.4
15°	827.9
17.5°	728.5
20°	624.9
22.5°	519.6
25°	421.3
27.5°	331.9
30°	253.6
32.5°	190.7
35°	141.2
37.5°	104.2
40°	74.7
42.5°	51.8
45°	33.5
47.5°	18.8
50°	10.6
52.5°	8.2
55°	7.6
57.5°	7.1
60°	6.5
62.5°	5.9
65°	5.3
67.5°	4.7
70°	4.1
72.5°	3.5
75°	2.9
77.5°	2.4
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)