

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: P1293681

Luminaire Tested: P3AS09R45W2N902765DE010 E3DL1WMH\_4000K

Issue Date: 1/30/2026

**Test Information**

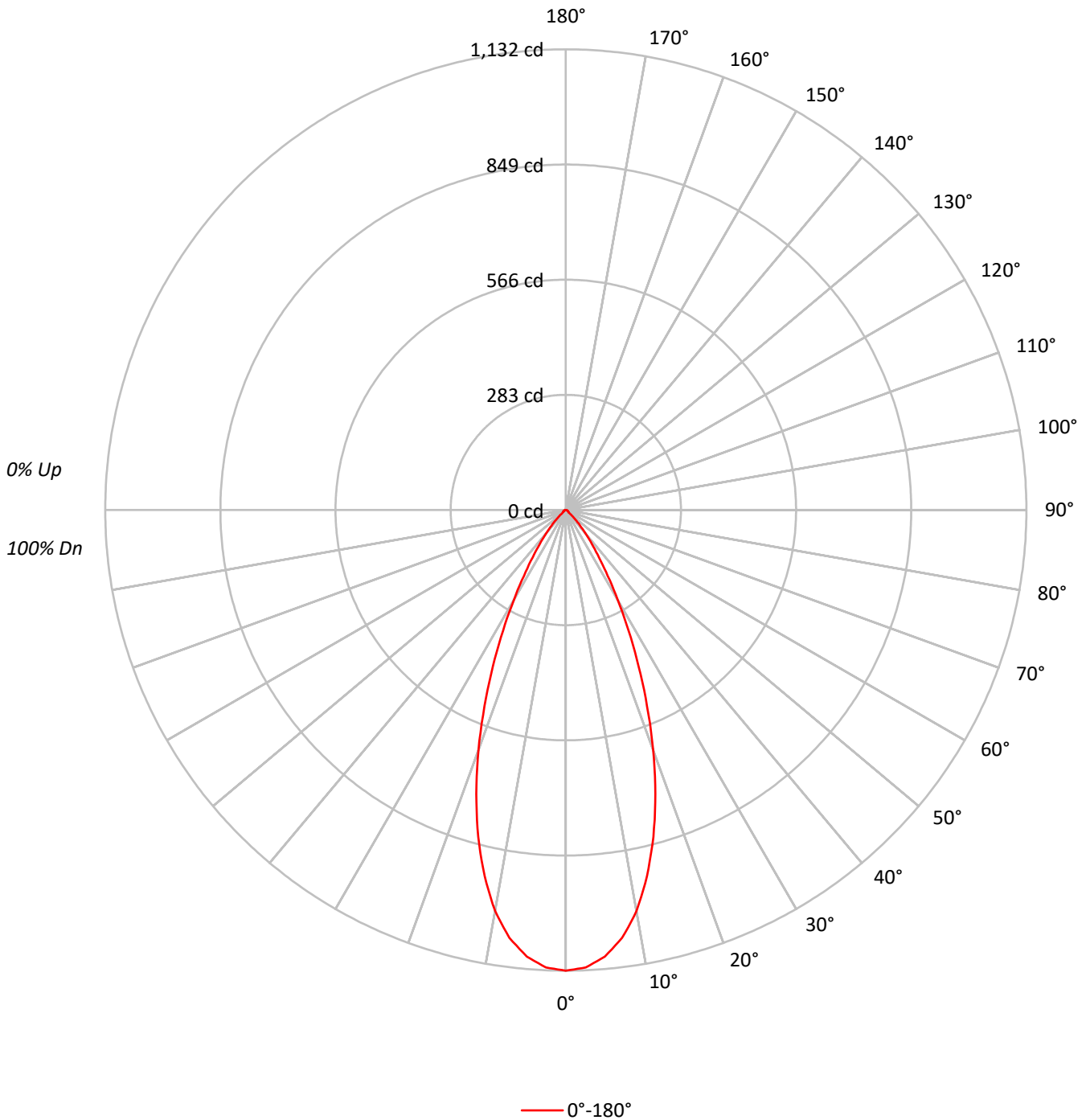
Test Method: LM-79-2019  
Report Number: P1293681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R45W2N902765DE010 E3DL1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 661.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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

TEST NUMBER: P1293681  
CATALOG NUMBER: P3AS09R45W2N902765DE010 E3DL1WMH\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1293681  
 CATALOG NUMBER: P3AS09R45W2N902765DE010 E3DL1WMH\_4000K

**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	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	88	88	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	70	70	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66	66	66	66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62	62	62	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59	59	59	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57	57

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

	0°
0°	248226
5°	242416
10°	222842
15°	188809
20°	146499
25°	102393
30°	64516
35°	37986
40°	21497
45°	10451
50°	3616
55°	2944
60°	2851
65°	2750
70°	2629
75°	2542
80°	2273
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10451 cd/sqm



TEST NUMBER: P1293681

CATALOG NUMBER: P3AS09R45W2N902765DE010 E3DL1WMH\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.9	15.4
10°-20°	228.4	34.6
20°-30°	193.9	29.3
30°-40°	92.5	14.0
40°-50°	27.9	4.2
50°-60°	7.1	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°	524.3	79.3
0°-40°	616.8	93.3
0°-60°	651.7	98.6
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1132	
5°	1101	102
15°	832	228
25°	423	194
35°	142	93
45°	34	28
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1293681  
CATALOG NUMBER: P3AS09R45W2N902765DE010 E3DL1WMH\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1132.0
2.5°	1124.9
5°	1101.3
7.5°	1060.5
10°	1000.8
12.5°	921.6
15°	831.7
17.5°	731.8
20°	627.8
22.5°	522.0
25°	423.2
27.5°	333.4
30°	254.8
32.5°	191.5
35°	141.9
37.5°	104.6
40°	75.1
42.5°	52.0
45°	33.7
47.5°	18.9
50°	10.6
52.5°	8.3
55°	7.7
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°	3.0
77.5°	2.4
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)