

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: P1294393

Luminaire Tested: P3AS09R55W2N902765DE010 E3DLP1WMH\_6500K

Issue Date: 1/30/2026

**Test Information**

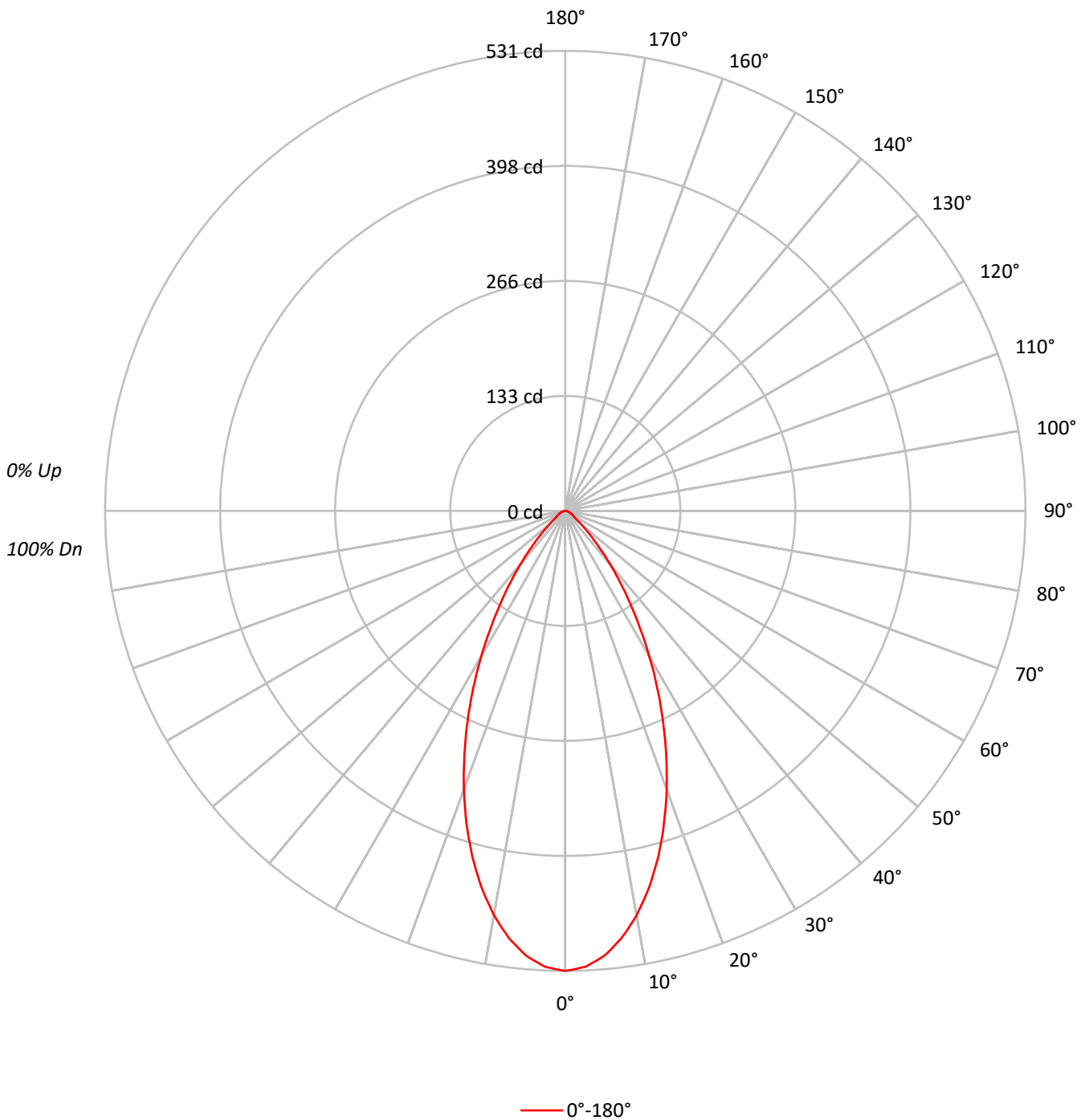
Test Method: LM-79-2019  
Report Number: P1294393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R55W2N902765DE010 E3DLP1WMH\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI ,  
E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 428.0 lumens  
Efficiency: N/A  
Efficacy: 47.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8  
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	79			79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73			73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67			67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	72	68	64	63			63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			59
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			55
9	74	64	58	54	73	63	58	54	62	57	53	62	57	53	61	56	53	52			52
10	70	60	55	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49			49

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

	0°
0°	116438
5°	113515
10°	105520
15°	93962
20°	79854
25°	64455
30°	49121
35°	34934
40°	23072
45°	13676
50°	8017
55°	4932
60°	4386
65°	3943
70°	3398
75°	2965
80°	3031
85°	3019

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13676 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.9	11.2
10°-20°	114.8	26.8
20°-30°	121.5	28.4
30°-40°	82.1	19.2
40°-50°	36.0	8.4
50°-60°	12.9	3.0
60°-70°	7.6	1.8
70°-80°	3.9	0.9
80°-90°	1.3	0.3
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°	284.2	66.4
0°-40°	366.3	85.6
0°-60°	415.2	97.0
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	531	
5°	516	48
15°	414	115
25°	266	122
35°	130	82
45°	44	36
55°	13	13
65°	8	8
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	531.0
2.5°	526.8
5°	515.7
7.5°	497.4
10°	473.9
12.5°	445.7
15°	413.9
17.5°	378.7
20°	342.2
22.5°	304.0
25°	266.4
27.5°	229.3
30°	194.0
32.5°	160.5
35°	130.5
37.5°	103.5
40°	80.6
42.5°	60.6
45°	44.1
47.5°	32.3
50°	23.5
52.5°	16.5
55°	12.9
57.5°	11.8
60°	10.0
62.5°	8.8
65°	7.6
67.5°	6.5
70°	5.3
72.5°	4.7
75°	3.5
77.5°	2.9
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)