

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: P1301088

Luminaire Tested: P3AS17R45W2N902750DE010 E3CD1MB\_3500K

Issue Date: 1/30/2026

**Test Information**

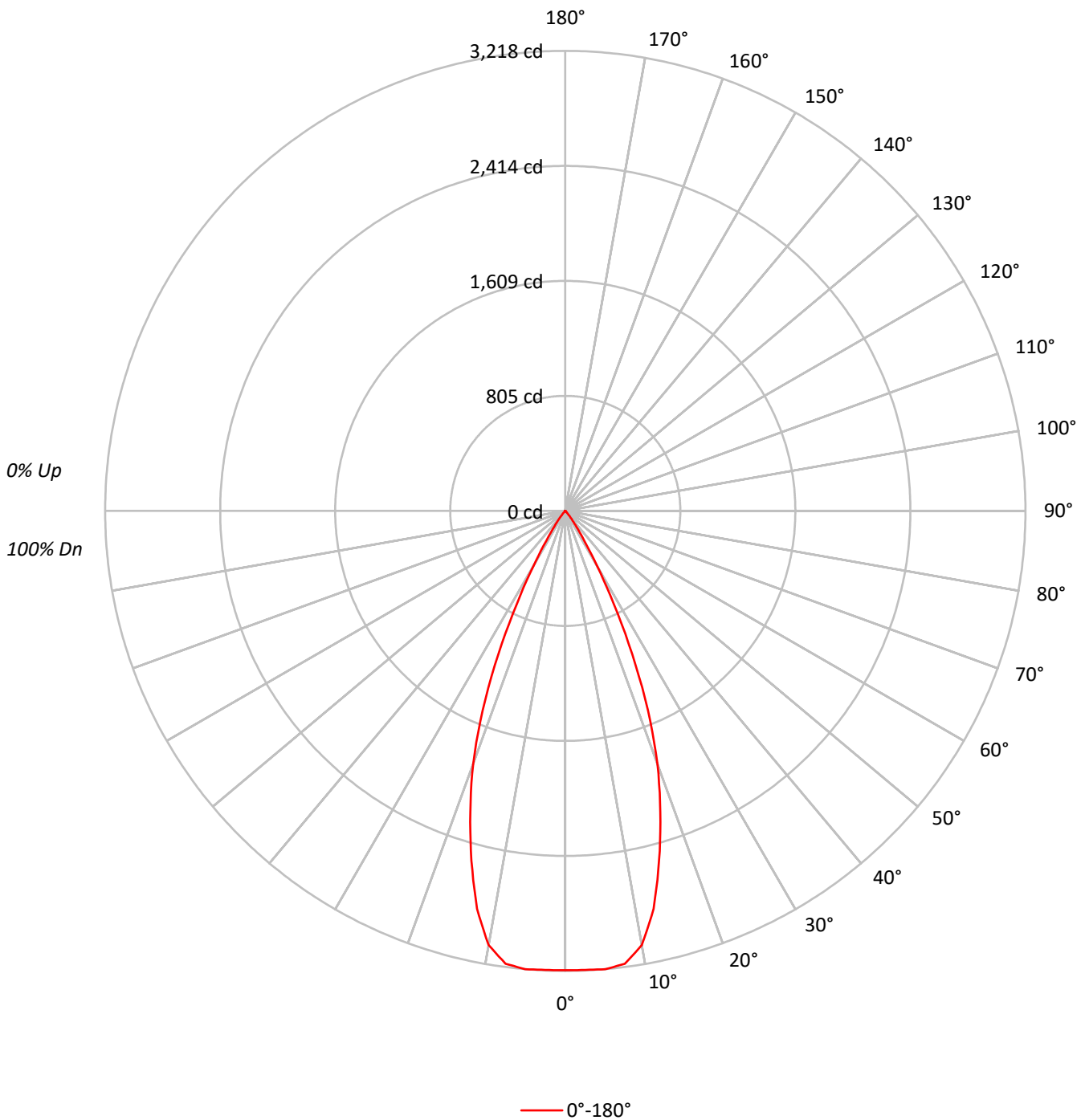
Test Method: LM-79-2019  
Report Number: P1301088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R45W2N902750DE010 E3CD1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1624.9 lumens  
Efficiency: N/A  
Efficacy: 83.8 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): 19.4  
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: P1301088  
CATALOG NUMBER: P3AS17R45W2N902750DE010 E3CD1MB\_3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1301088

CATALOG NUMBER: P3AS17R45W2N902750DE010 E3CD1MB\_3500K

**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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83	83	83	83
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	64	64	64

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

	0°
0°	704527
5°	708275
10°	686516
15°	575304
20°	439778
25°	267717
30°	111384
35°	35683
40°	11107
45°	2264
50°	1637
55°	1835
60°	1579
65°	1868
70°	1539
75°	2033
80°	1515
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2264 cd/sqm



TEST NUMBER: P1301088

CATALOG NUMBER: P3AS17R45W2N902750DE010 E3CD1MB\_3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.5	18.7
10°-20°	696.5	42.9
20°-30°	501.5	30.9
30°-40°	104.3	6.4
40°-50°	9.5	0.6
50°-60°	3.9	0.2
60°-70°	3.1	0.2
70°-80°	2.1	0.1
80°-90°	0.5	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°	1501.5	92.4
0°-40°	1605.8	98.8
0°-60°	1619.2	99.7
0°-90°	1624.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1624.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3213	
5°	3218	303
15°	2534	697
25°	1106	502
35°	133	104
45°	7	10
55°	5	4
65°	4	3
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1301088

CATALOG NUMBER: P3AS17R45W2N902750DE010 E3CD1MB\_3500K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3212.9
2.5°	3214.1
5°	3217.7
7.5°	3194.7
10°	3083.2
12.5°	2850.5
15°	2534.2
17.5°	2210.6
20°	1884.6
22.5°	1510.1
25°	1106.5
27.5°	729.6
30°	439.9
32.5°	246.0
35°	133.3
37.5°	75.1
40°	38.8
42.5°	17.0
45°	7.3
47.5°	4.8
50°	4.8
52.5°	4.8
55°	4.8
57.5°	3.6
60°	3.6
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)