

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: P1302771

Luminaire Tested: P3AS17R70W2N902765DE010 E3CD1MMS\_2700K

Issue Date: 1/30/2026

**Test Information**

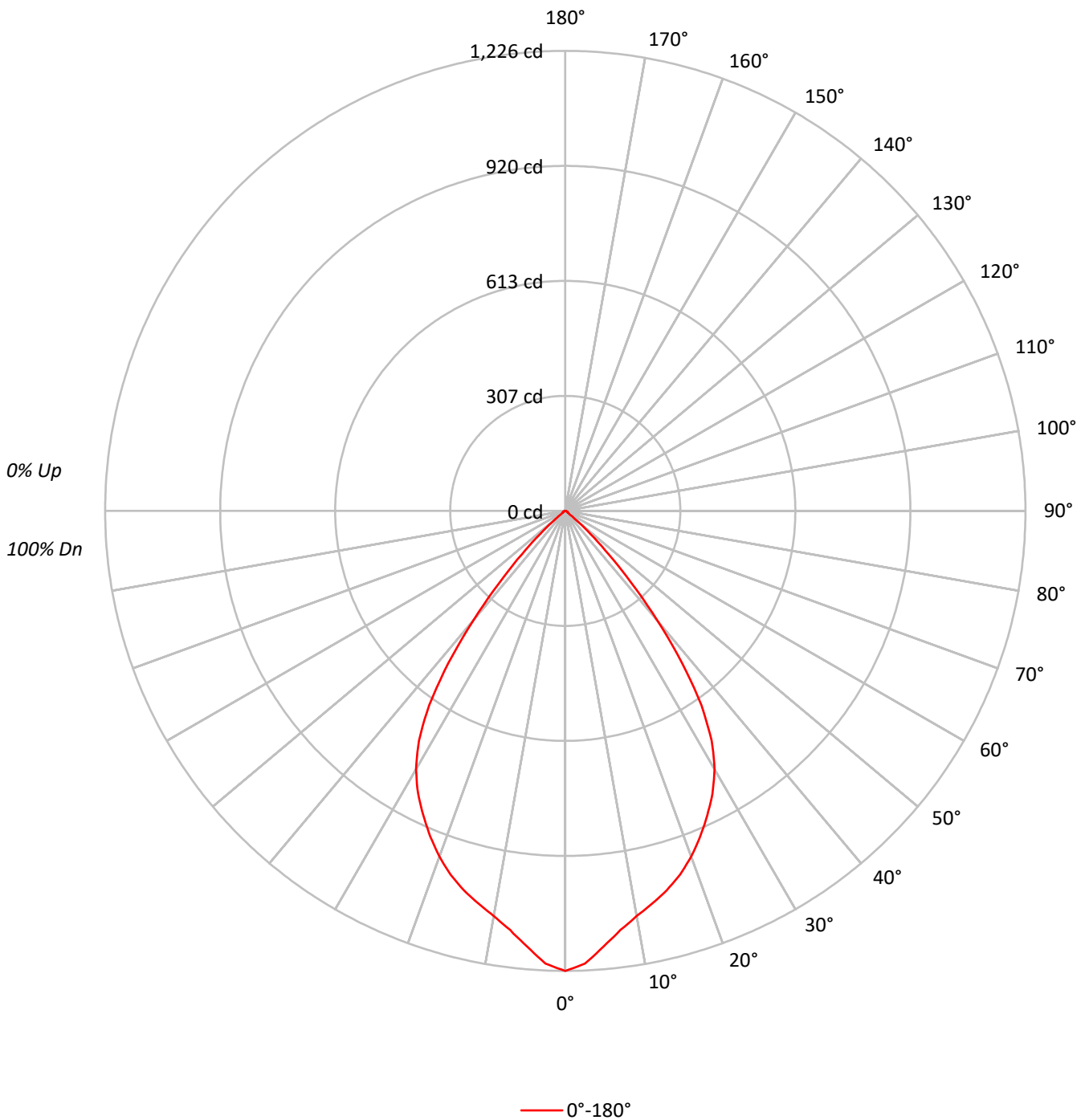
Test Method: LM-79-2019  
Report Number: P1302771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R70W2N902765DE010 E3CD1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1354.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03  
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

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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			
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78			
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72			
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53			
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46			

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

	0°
0°	268860
5°	256548
10°	244106
15°	237572
20°	228803
25°	216545
30°	201398
35°	169182
40°	109033
45°	50672
50°	13304
55°	3326
60°	3333
65°	2802
70°	2757
75°	2711
80°	2778
85°	2768

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 50672 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.1	8.1
10°-20°	294.1	21.7
20°-30°	410.8	30.3
30°-40°	380.9	28.1
40°-50°	136.6	10.1
50°-60°	11.6	0.9
60°-70°	5.8	0.4
70°-80°	3.7	0.3
80°-90°	1.5	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°	814.0	60.1
0°-40°	1194.9	88.3
0°-60°	1343.1	99.2
0°-90°	1354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1354.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1226	
5°	1166	109
15°	1046	294
25°	895	411
35°	632	381
45°	163	137
55°	9	12
65°	5	6
75°	3	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1226.1
2.5°	1207.7
5°	1165.5
7.5°	1126.6
10°	1096.3
12.5°	1071.4
15°	1046.5
17.5°	1016.2
20°	980.5
22.5°	939.4
25°	895.0
27.5°	849.5
30°	795.4
32.5°	726.2
35°	632.0
37.5°	511.9
40°	380.9
42.5°	259.7
45°	163.4
47.5°	90.9
50°	39.0
52.5°	13.0
55°	8.7
57.5°	7.6
60°	7.6
62.5°	6.5
65°	5.4
67.5°	5.4
70°	4.3
72.5°	4.3
75°	3.2
77.5°	3.2
80°	2.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)