

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: P1291381

Luminaire Tested: P3AS05R70W2N902765DE010 E3CD1MB\_3000K

Issue Date: 1/30/2026

**Test Information**

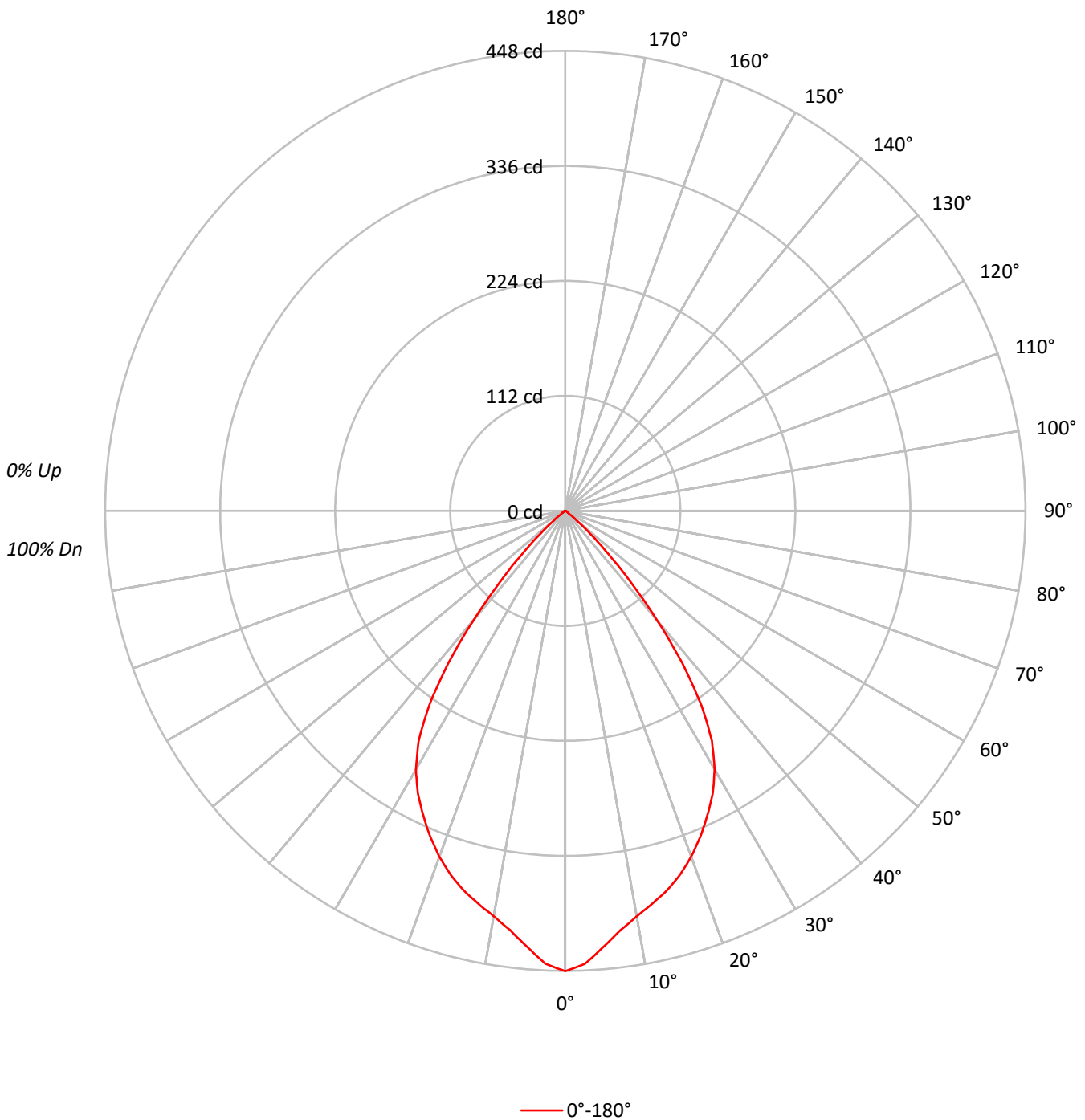
Test Method: LM-79-2019  
Report Number: P1291381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R70W2N902765DE010 E3CD1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 495.1 lumens  
Efficiency: N/A  
Efficacy: 83.9 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): 5.9  
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				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	111	108	106	103	104	102	100	100	99	97	97	96	94	93				93
2	107	102	97	94	105	100	96	93	97	94	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	82	80	78				78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72				72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66				66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				57
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53				53
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49				49
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46				46

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

	0°
0°	98304
5°	93792
10°	89244
15°	86856
20°	83634
25°	79166
30°	73632
35°	61864
40°	39875
45°	18514
50°	4844
55°	1223
60°	1228
65°	1038
70°	1026
75°	1017
80°	1010
85°	1006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18514 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.9	8.1
10°-20°	107.5	21.7
20°-30°	150.2	30.3
30°-40°	139.3	28.1
40°-50°	49.9	10.1
50°-60°	4.2	0.9
60°-70°	2.1	0.4
70°-80°	1.4	0.3
80°-90°	0.5	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°	297.6	60.1
0°-40°	436.9	88.2
0°-60°	491.0	99.2
0°-90°	495.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	448	
5°	426	40
15°	383	107
25°	327	150
35°	231	139
45°	60	50
55°	3	4
65°	2	2
75°	1	1
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	448.3
2.5°	441.5
5°	426.1
7.5°	411.9
10°	400.8
12.5°	391.7
15°	382.6
17.5°	371.5
20°	358.4
22.5°	343.4
25°	327.2
27.5°	310.6
30°	290.8
32.5°	265.5
35°	231.1
37.5°	187.1
40°	139.3
42.5°	95.0
45°	59.7
47.5°	33.2
50°	14.2
52.5°	4.7
55°	3.2
57.5°	2.8
60°	2.8
62.5°	2.4
65°	2.0
67.5°	2.0
70°	1.6
72.5°	1.6
75°	1.2
77.5°	1.2
80°	0.8
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)