

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: P1290124

Luminaire Tested: P3A05R50W2N902765DE010 E3CD1MB\_2700K

Issue Date: 1/30/2026

**Test Information**

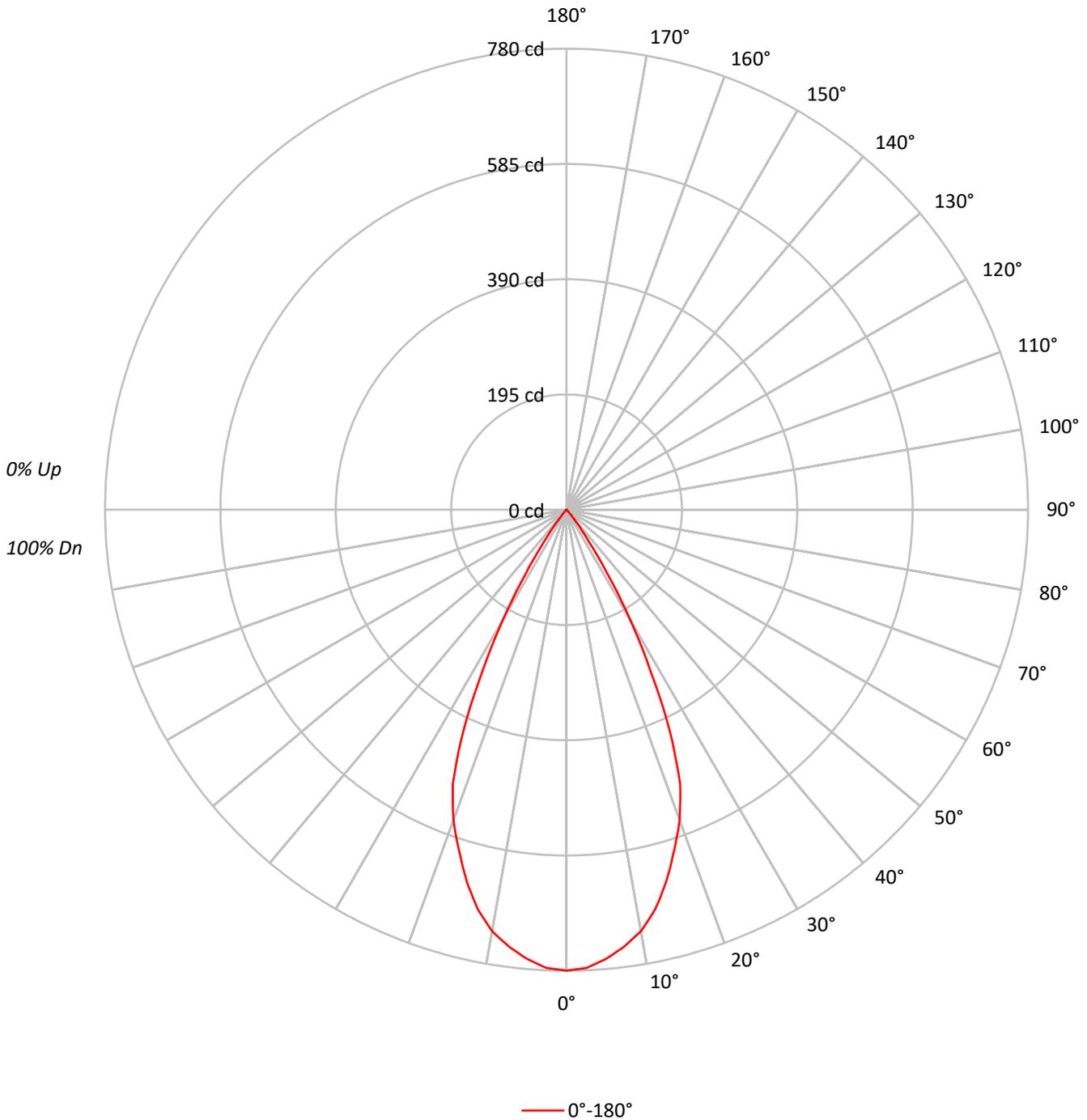
Test Method: LM-79-2019  
Report Number: P1290124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R50W2N902765DE010 E3CD1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 491.1 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76  
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				
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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59	59	59	59

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

	0°
0°	170995
5°	167950
10°	161253
15°	147856
20°	130398
25°	99949
30°	54337
35°	17480
40°	4122
45°	558
50°	478
55°	535
60°	482
65°	571
70°	449
75°	593
80°	505
85°	1006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 85°  
 Luminance: 1006 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.6	14.6
10°-20°	181.1	36.9
20°-30°	181.3	36.9
30°-40°	51.0	10.4
40°-50°	3.1	0.6
50°-60°	1.2	0.2
60°-70°	0.9	0.2
70°-80°	0.6	0.1
80°-90°	0.3	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°	434.0	88.4
0°-40°	485.0	98.8
0°-60°	489.2	99.6
0°-90°	491.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	780	
5°	763	72
15°	651	181
25°	413	181
35°	65	51
45°	2	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	779.8
2.5°	775.9
5°	763.0
7.5°	745.4
10°	724.2
12.5°	692.3
15°	651.3
17.5°	604.3
20°	558.8
22.5°	502.1
25°	413.1
27.5°	307.6
30°	214.6
32.5°	129.6
35°	65.3
37.5°	30.9
40°	14.4
42.5°	5.4
45°	1.8
47.5°	1.4
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)