

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: P1295678

Luminaire Tested: P3AS13R20W2N902750DE010 E3CD1MB\_5000K

Issue Date: 1/30/2026

**Test Information**

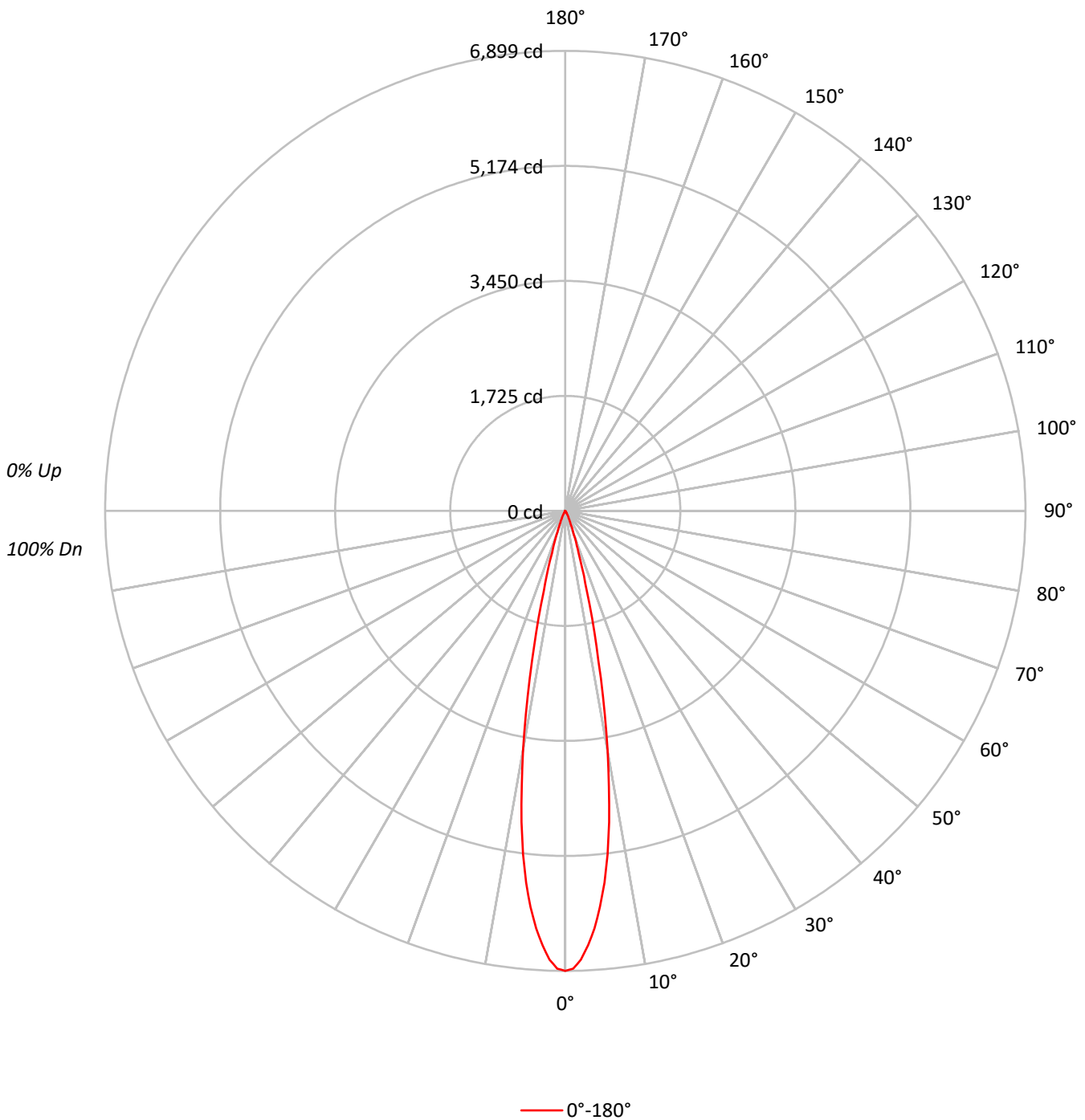
Test Method: LM-79-2019  
Report Number: P1295678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R20W2N902750DE010 E3CD1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 974.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	96	95	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	92	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	91	94	92	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88	93	90	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86	91	89	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	89	87	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83	88	86	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82	86	84	82

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

	0°
0°	1512730
5°	1313006
10°	811296
15°	281795
20°	86528
25°	30582
30°	11318
35°	4551
40°	2433
45°	961
50°	512
55°	573
60°	658
65°	415
70°	513
75°	678
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 961 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.0	50.8
10°-20°	392.8	40.3
20°-30°	68.0	7.0
30°-40°	12.4	1.3
40°-50°	2.8	0.3
50°-60°	1.3	0.1
60°-70°	0.9	0.1
70°-80°	0.7	0.1
80°-90°	0.0	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°	955.8	98.1
0°-40°	968.2	99.4
0°-60°	972.4	99.8
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6899	
5°	5965	495
15°	1241	393
25°	126	68
35°	17	12
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6898.6
1°	6865.5
2°	6734.4
3°	6523.9
4°	6277.2
5°	5965.0
6°	5607.2
7°	5190.9
8°	4716.8
9°	4184.0
10°	3643.6
12.5°	2298.3
15°	1241.3
17.5°	663.0
20°	370.8
22.5°	212.0
25°	126.4
27.5°	77.1
30°	44.7
32.5°	26.2
35°	17.0
37.5°	11.6
40°	8.5
42.5°	5.4
45°	3.1
47.5°	1.5
50°	1.5
52.5°	1.5
55°	1.5
57.5°	1.5
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)