

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: P1287727

Luminaire Tested: P3A05R15W2N902750DE010 E3CB1MW\_2700K

Issue Date: 1/30/2026

**Test Information**

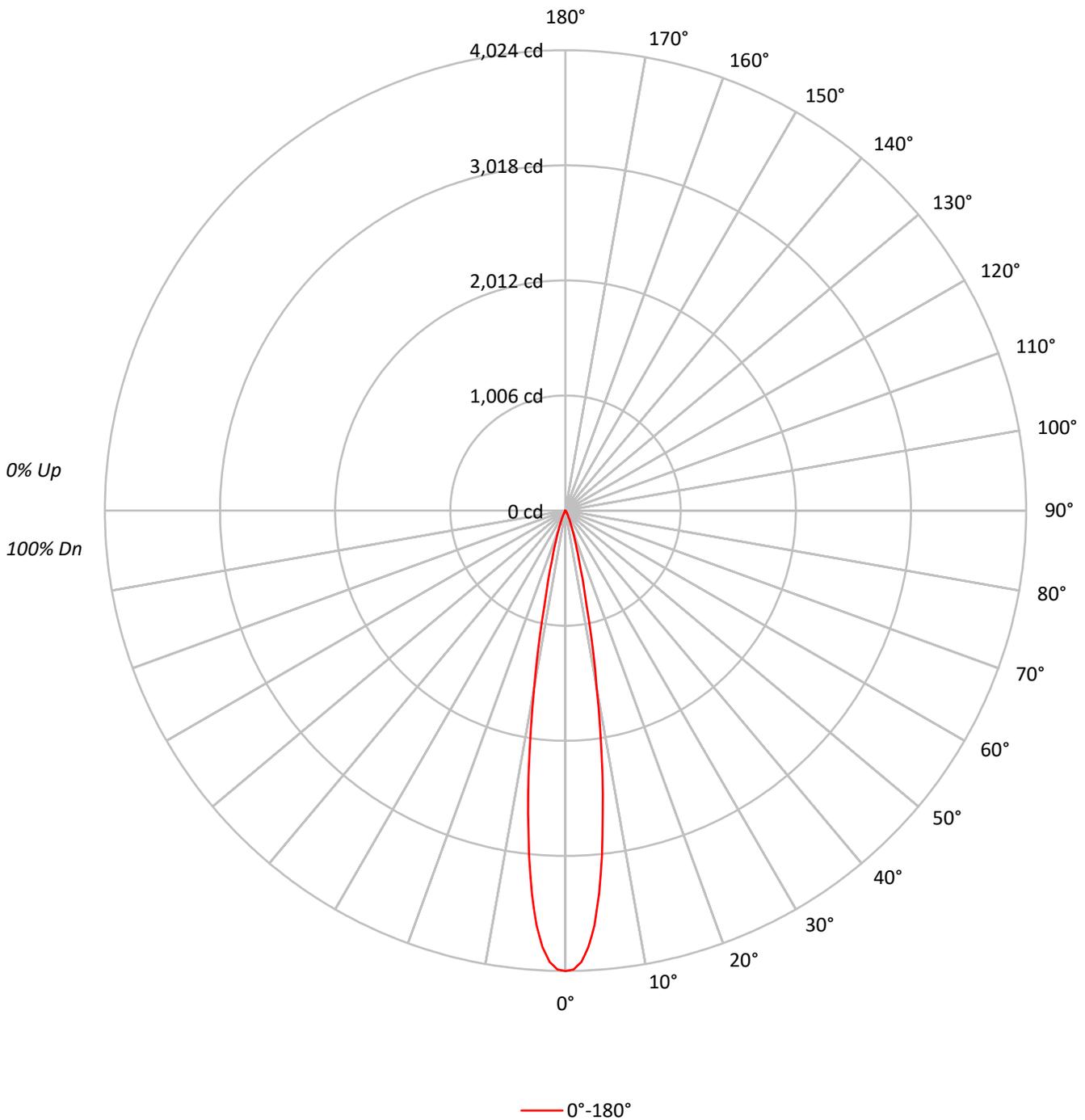
Test Method: LM-79-2019  
Report Number: P1287727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R15W2N902750DE010 E3CB1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
E3CB1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 454.1 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	98	97	95	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	97	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	94	92	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	90	87	86	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	88	86	85	84

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

	0°
0°	882473
5°	739597
10°	348379
15°	105040
20°	38853
25°	15122
30°	5646
35°	1740
40°	630
45°	341
50°	239
55°	268
60°	307
65°	208
70°	256
75°	339
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.8	57.2
10°-20°	154.4	34.0
20°-30°	32.4	7.1
30°-40°	5.3	1.2
40°-50°	0.9	0.2
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	446.6	98.4
0°-40°	451.9	99.5
0°-60°	453.4	99.8
0°-90°	454.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	454.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4024	
5°	3360	260
15°	463	154
25°	62	32
35°	6	5
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4024.4
1°	4011.8
2°	3947.9
3°	3820.1
4°	3632.8
5°	3360.0
6°	3039.5
7°	2673.0
8°	2323.0
9°	1926.8
10°	1564.6
12.5°	844.2
15°	462.7
17.5°	271.0
20°	166.5
22.5°	101.9
25°	62.5
27.5°	37.7
30°	22.3
32.5°	12.6
35°	6.5
37.5°	3.6
40°	2.2
42.5°	1.4
45°	1.1
47.5°	0.7
50°	0.7
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)