

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: P1287728

Luminaire Tested: P3A05R15W2N902750DE010 E3CB1MW\_3000K

Issue Date: 1/30/2026

**Test Information**

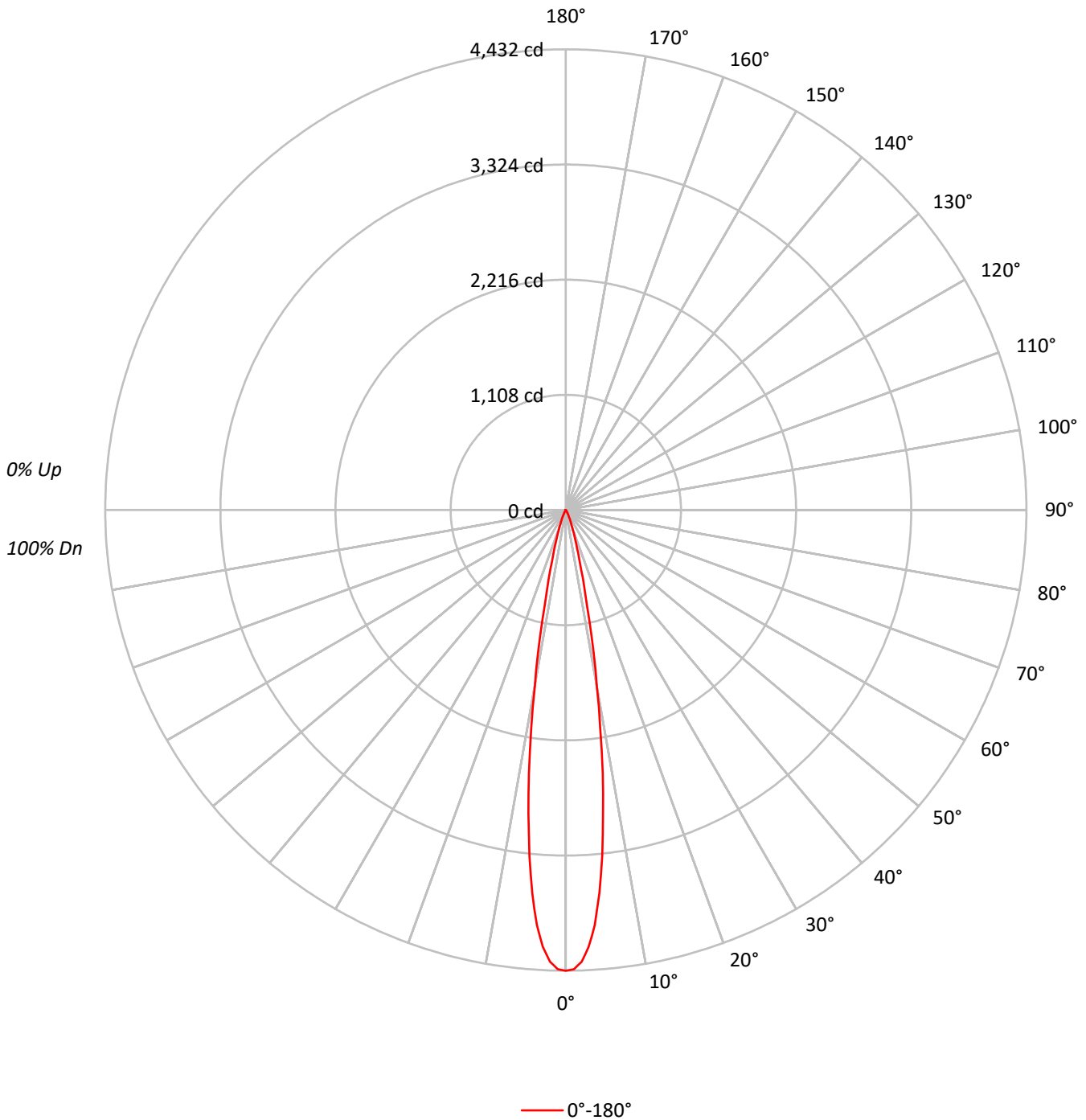
Test Method: LM-79-2019  
Report Number: P1287728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R15W2N902750DE010 E3CB1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
E3CB1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 500.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 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

TEST NUMBER: P1287728  
CATALOG NUMBER: P3A05R15W2N902750DE010 E3CB1MW\_3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1287728

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CB1MW\_3000K

**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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100		98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97		96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95		94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93		92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92		91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90		89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89		88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87		86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86		85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85		84

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

	0°
0°	971874
5°	814526
10°	383671
15°	115665
20°	42797
25°	16646
30°	6203
35°	1901
40°	687
45°	372
50°	273
55°	306
60°	351
65°	208
70°	256
75°	339
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 372 cd/sqm



TEST NUMBER: P1287728

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CB1MW\_3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.1	57.2
10°-20°	170.1	34.0
20°-30°	35.7	7.1
30°-40°	5.8	1.2
40°-50°	1.0	0.2
50°-60°	0.7	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°	491.9	98.4
0°-40°	497.6	99.5
0°-60°	499.3	99.9
0°-90°	500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4432	
5°	3700	286
15°	510	170
25°	69	36
35°	7	6
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1287728

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CB1MW\_3000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4432.1
1°	4418.3
2°	4347.9
3°	4207.2
4°	4000.9
5°	3700.4
6°	3347.4
7°	2943.8
8°	2558.4
9°	2122.0
10°	1723.1
12.5°	929.8
15°	509.5
17.5°	298.5
20°	183.4
22.5°	112.3
25°	68.8
27.5°	41.5
30°	24.5
32.5°	13.8
35°	7.1
37.5°	4.0
40°	2.4
42.5°	1.6
45°	1.2
47.5°	0.8
50°	0.8
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
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)