

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: P1287731

Luminaire Tested: P3A05R15W2N902750DE010 E3CB1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1287731
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

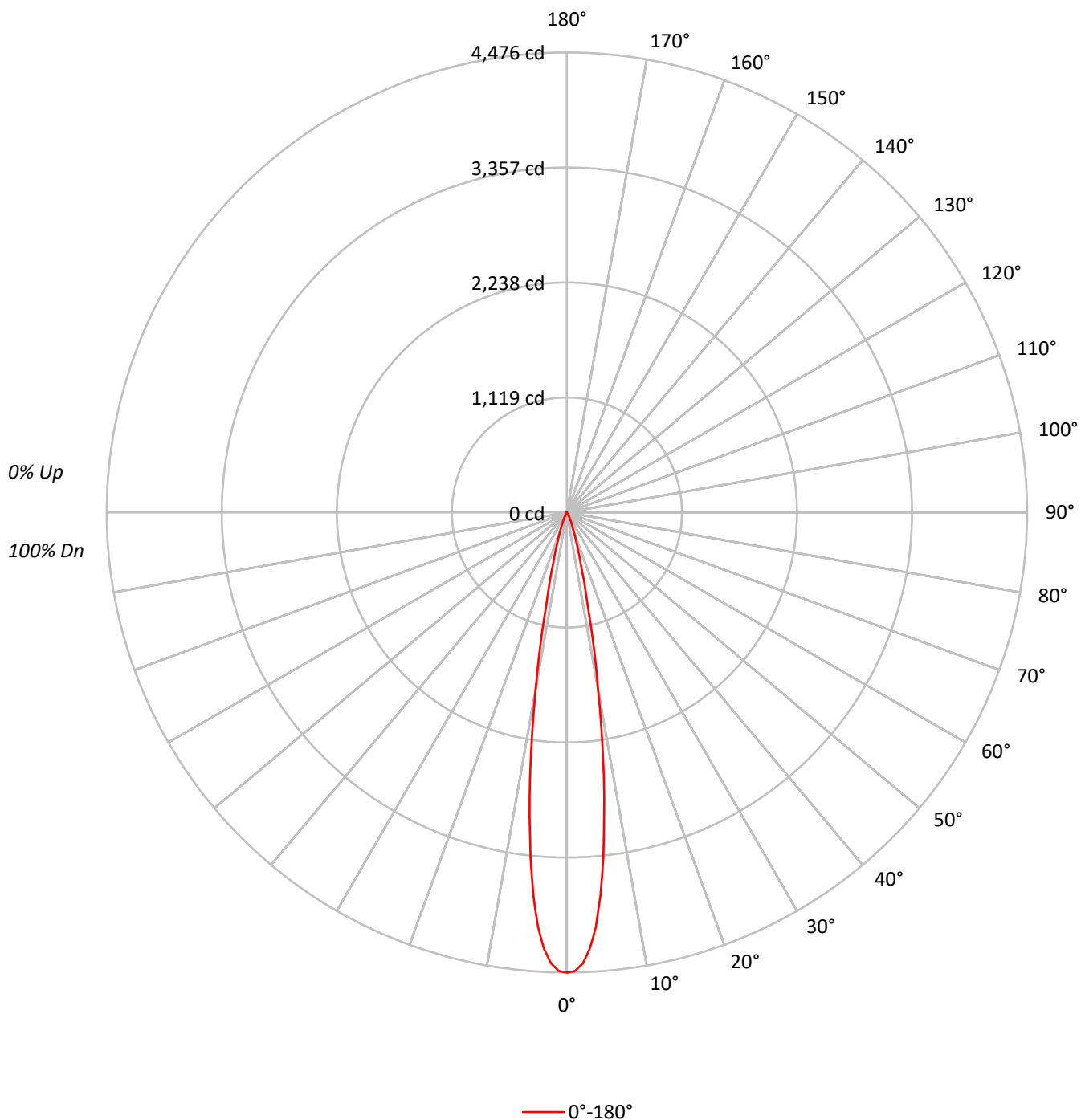
Lumens per Lamp: N/A
Luminaire Lumens: 505.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	102	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	100	100	100	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	97	97	97	97	97	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	98	97	95	95	95	95	95	95	95	95	95	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	97	95	93	93	93	93	93	93	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	92	92	92	92	92	92	92	92	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	94	92	90	90	90	90	90	90	90	90	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	89	89	89	89	89	89	89	89	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	91	89	87	87	87	87	87	87	87	87	87	86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	90	87	86	86	86	86	86	86	86	86	86	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	88	86	85	85	85	85	85	85	85	85	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	981610
5°	822670
10°	387523
15°	116822
20°	43240
25°	16815
30°	6279
35°	1927
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.9	57.2
10°-20°	171.7	34.0
20°-30°	36.1	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°	496.8	98.4
0°-40°	502.6	99.5
0°-60°	504.3	99.9
0°-90°	505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4476	
5°	3737	289
15°	515	172
25°	70	36
35°	7	6
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°	4476.5
1°	4462.5
2°	4391.4
3°	4249.3
4°	4040.9
5°	3737.4
6°	3380.9
7°	2973.3
8°	2584.0
9°	2143.2
10°	1740.4
12.5°	939.0
15°	514.6
17.5°	301.4
20°	185.3
22.5°	113.4
25°	69.5
27.5°	41.9
30°	24.8
32.5°	14.0
35°	7.2
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)