

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: P1248068

Luminaire Tested: P3AS02R309027DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R309027DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

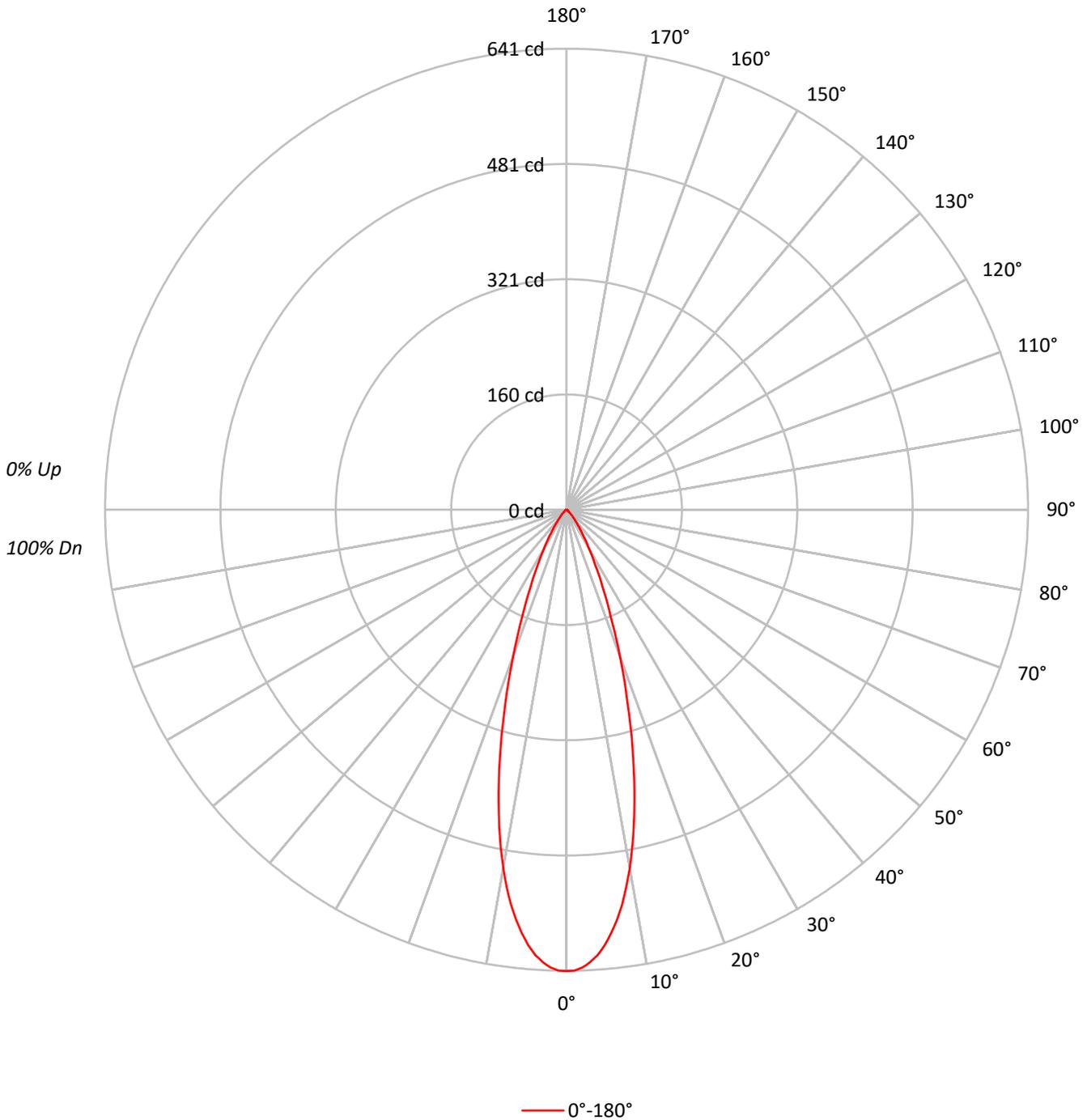
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	99	98	97	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	93	92	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	91	89	87	86
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	88	85	83	82
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	85	82	79	78
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	81	78	76	75
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75	78	75	73	71
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71	76	72	70	69
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	73	70	67	66
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	71	67	65	63
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	63	71	67	65	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140625
5°	133854
10°	112579
15°	81204
20°	50358
25°	28647
30°	15901
35°	8646
40°	4551
45°	2481
50°	1330
55°	879
60°	789
65°	830
70°	705
75°	593
80°	631
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2481 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	22.7
10°-20°	97.3	40.4
20°-30°	56.3	23.3
30°-40°	21.3	8.9
40°-50°	6.6	2.7
50°-60°	2.2	0.9
60°-70°	1.5	0.6
70°-80°	0.8	0.3
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°	208.3	86.4
0°-40°	229.7	95.3
0°-60°	238.4	98.9
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	641	
5°	608	55
15°	358	97
25°	118	56
35°	32	21
45°	8	7
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	641.3
1°	640.9
2°	637.0
3°	629.7
4°	620.6
5°	608.1
6°	592.2
7°	574.4
8°	554.6
9°	530.9
10°	505.6
11°	478.3
12°	449.4
13°	419.1
14°	388.4
15°	357.7
17.5°	282.1
20°	215.8
22.5°	160.0
25°	118.4
27.5°	86.1
30°	62.8
32.5°	45.3
35°	32.3
37.5°	22.5
40°	15.9
42.5°	11.2
45°	8.0
47.5°	5.5
50°	3.9
52.5°	2.7
55°	2.3
57.5°	2.0
60°	1.8
62.5°	1.6
65°	1.6
67.5°	1.4
70°	1.1
72.5°	0.9
75°	0.7
77.5°	0.7
80°	0.5
82.5°	0.5
85°	0.2
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)