

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: P1256307

Luminaire Tested: P3AS02R509040DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R509040DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

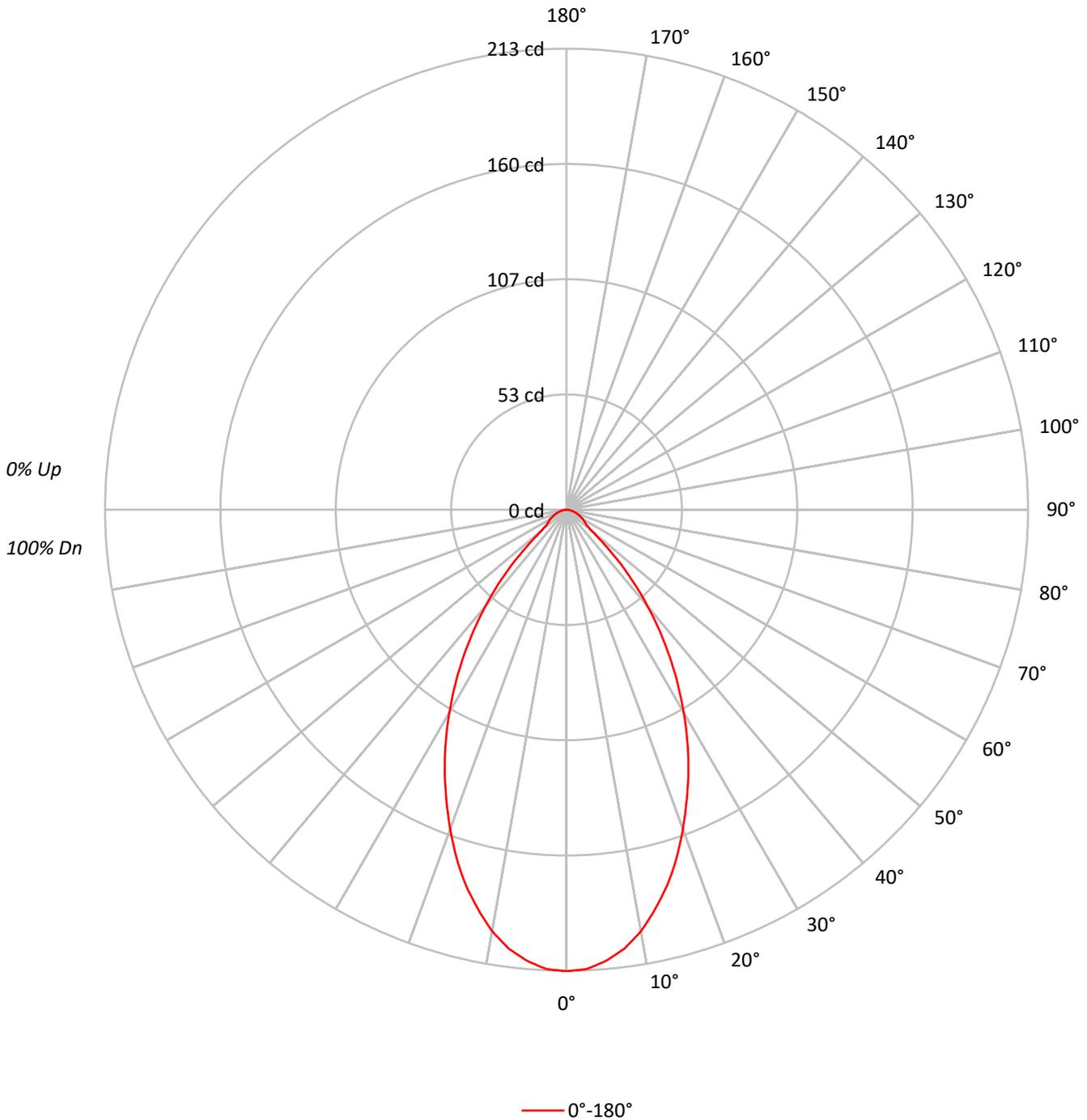
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 230.1 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
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

TEST NUMBER: P1256307
CATALOG NUMBER: P3AS02R509040DE010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1256307

CATALOG NUMBER: P3AS02R509040DE010 E3DLD1MW

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
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46751
5°	46049
10°	44021
15°	40772
20°	36637
25°	32203
30°	27397
35°	22218
40°	16688
45°	10761
50°	5117
55°	4014
60°	3815
65°	3528
70°	3206
75°	2881
80°	2652
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10761 cd/sqm



TEST NUMBER: P1256307
 CATALOG NUMBER: P3AS02R509040DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	8.5
10°-20°	50.1	21.8
20°-30°	60.8	26.4
30°-40°	51.6	22.4
40°-50°	26.8	11.7
50°-60°	9.7	4.2
60°-70°	6.7	2.9
70°-80°	3.6	1.6
80°-90°	1.2	0.5
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°	130.5	56.7
0°-40°	182.1	79.1
0°-60°	218.6	95.0
0°-90°	230.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	213	
5°	209	20
15°	180	50
25°	133	61
35°	83	52
45°	35	27
55°	10	10
65°	7	7
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P1256307
CATALOG NUMBER: P3AS02R509040DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	213.2
2.5°	212.4
5°	209.2
7.5°	204.5
10°	197.7
12.5°	189.0
15°	179.6
17.5°	168.8
20°	157.0
22.5°	144.9
25°	133.1
27.5°	120.8
30°	108.2
32.5°	95.6
35°	83.0
37.5°	70.6
40°	58.3
42.5°	46.5
45°	34.7
47.5°	23.1
50°	15.0
52.5°	11.6
55°	10.5
57.5°	9.5
60°	8.7
62.5°	7.6
65°	6.8
67.5°	5.8
70°	5.0
72.5°	4.2
75°	3.4
77.5°	2.6
80°	2.1
82.5°	1.6
85°	1.1
87.5°	0.5
90°	0.0

(END OF REPORT)