

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: P1251271

Luminaire Tested: P3AS05R459030DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R459030DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

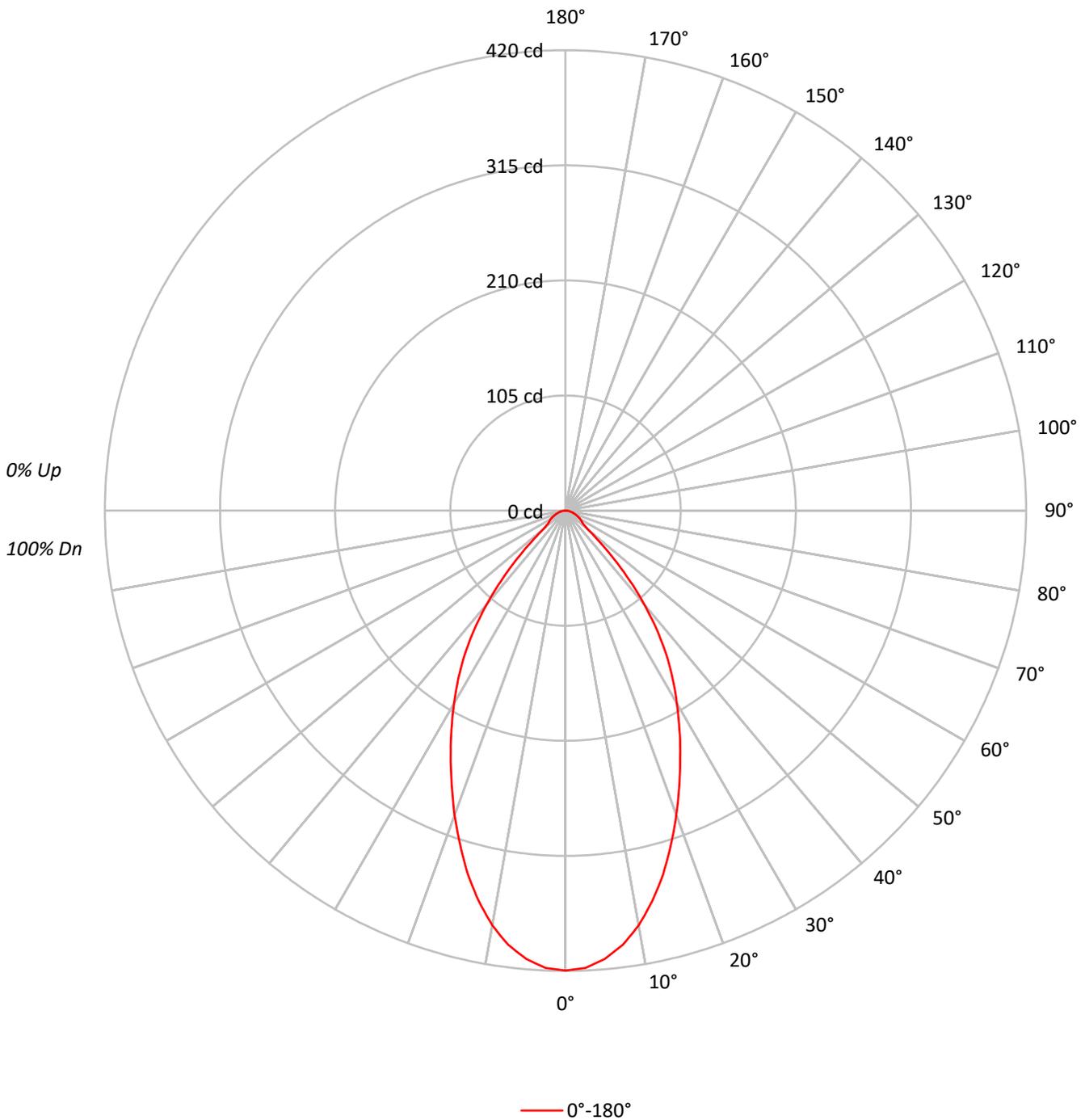
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 434.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1251271
CATALOG NUMBER: P3AS05R459030DE010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1251271
 CATALOG NUMBER: P3AS05R459030DE010 E3DLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75				75
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69				69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63				63
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58				58
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54				54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47				47
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44				44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92010
5°	90381
10°	85525
15°	78003
20°	68979
25°	59907
30°	51426
35°	42858
40°	31917
45°	19537
50°	9040
55°	7073
60°	6798
65°	6226
70°	5770
75°	5507
80°	5051
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19537 cd/sqm



TEST NUMBER: P1251271
 CATALOG NUMBER: P3AS05R459030DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	8.8
10°-20°	95.7	22.0
20°-30°	113.7	26.2
30°-40°	98.8	22.8
40°-50°	49.5	11.4
50°-60°	17.2	4.0
60°-70°	12.1	2.8
70°-80°	6.7	1.5
80°-90°	2.0	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°	247.7	57.1
0°-40°	346.5	79.8
0°-60°	413.2	95.2
0°-90°	434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	411	38
15°	344	96
25°	248	114
35°	160	99
45°	63	50
55°	18	17
65°	12	12
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P1251271
CATALOG NUMBER: P3AS05R459030DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	419.6
2.5°	417.6
5°	410.6
7.5°	399.6
10°	384.1
12.5°	365.1
15°	343.6
17.5°	319.6
20°	295.6
22.5°	271.1
25°	247.6
27.5°	225.1
30°	203.1
32.5°	182.1
35°	160.1
37.5°	136.5
40°	111.5
42.5°	87.0
45°	63.0
47.5°	41.5
50°	26.5
52.5°	20.5
55°	18.5
57.5°	17.0
60°	15.5
62.5°	14.0
65°	12.0
67.5°	10.5
70°	9.0
72.5°	7.5
75°	6.5
77.5°	5.0
80°	4.0
82.5°	3.0
85°	1.5
87.5°	1.0
90°	0.0

(END OF REPORT)