

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: P1256495

Luminaire Tested: P3AS05R159040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256495
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: P3AS05R159040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

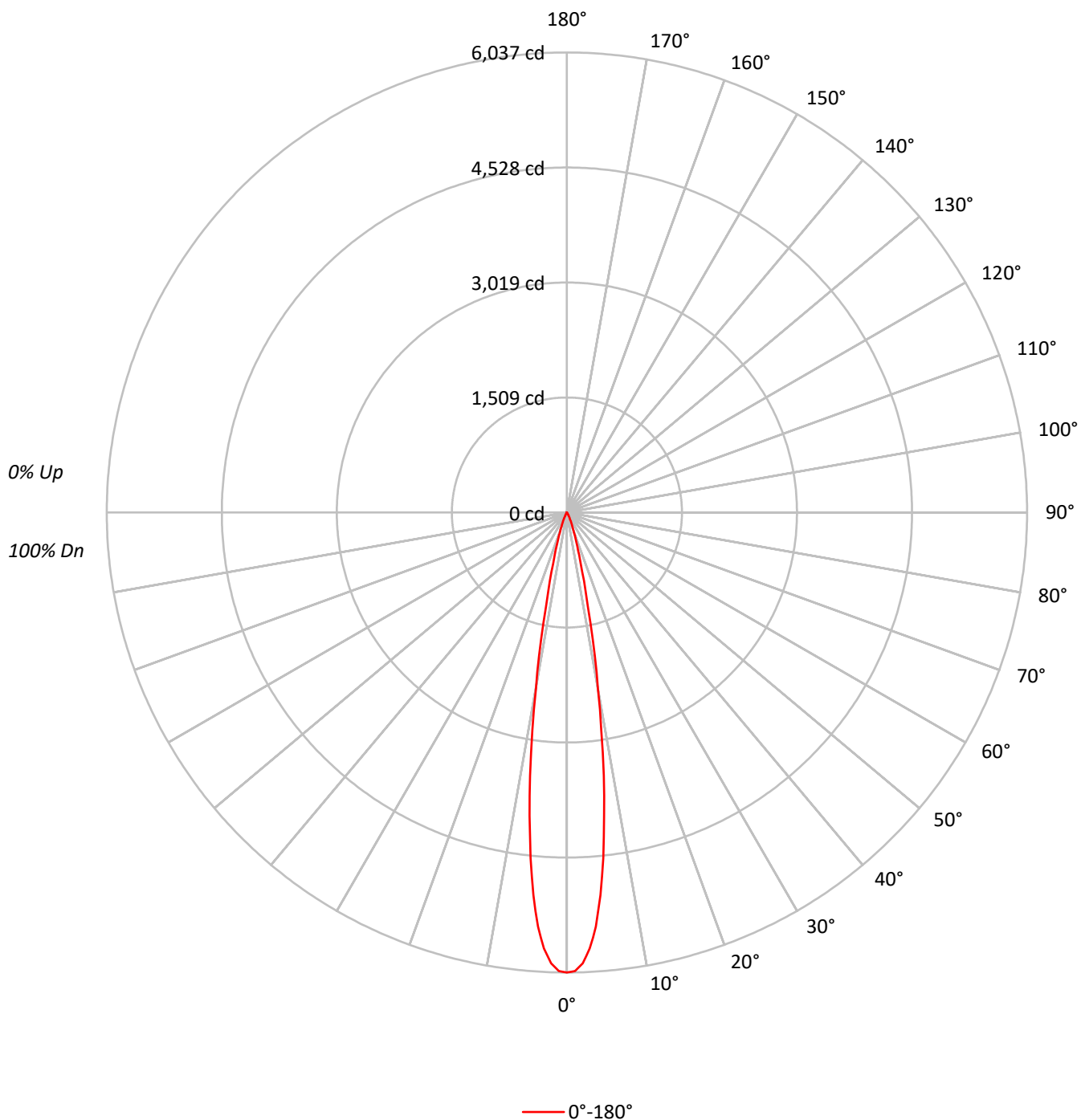
Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1256495

CATALOG NUMBER: P3AS05R159040DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1256495

CATALOG NUMBER: P3AS05R159040DE010 E3CD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	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	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	95	95	95	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	90	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	87	87	86
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	86	86	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	85	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1323710
5°	1109396
10°	522569
15°	157549
20°	58292
25°	22671
30°	8457
35°	2597
40°	916
45°	496
50°	375
55°	421
60°	482
65°	259
70°	321
75°	424
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 496 cd/sqm

TEST NUMBER: P1256495

CATALOG NUMBER: P3AS05R159040DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.6	57.2
10°-20°	231.6	34.0
20°-30°	48.7	7.1
30°-40°	7.8	1.2
40°-50°	1.3	0.2
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	0.0
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°	669.9	98.4
0°-40°	677.7	99.5
0°-60°	680.1	99.9
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6037	
5°	5040	390
15°	694	232
25°	94	49
35°	10	8
45°	2	1
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1256495

CATALOG NUMBER: P3AS05R159040DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6036.6
1°	6017.7
2°	5921.9
3°	5730.2
4°	5449.2
5°	5040.0
6°	4559.2
7°	4009.5
8°	3484.5
9°	2890.1
10°	2346.9
12.5°	1266.3
15°	694.0
17.5°	406.5
20°	249.8
22.5°	152.9
25°	93.7
27.5°	56.5
30°	33.4
32.5°	18.8
35°	9.7
37.5°	5.4
40°	3.2
42.5°	2.2
45°	1.6
47.5°	1.1
50°	1.1
52.5°	1.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)