

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: P1248524

Luminaire Tested: P3AS05R409027DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409027DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

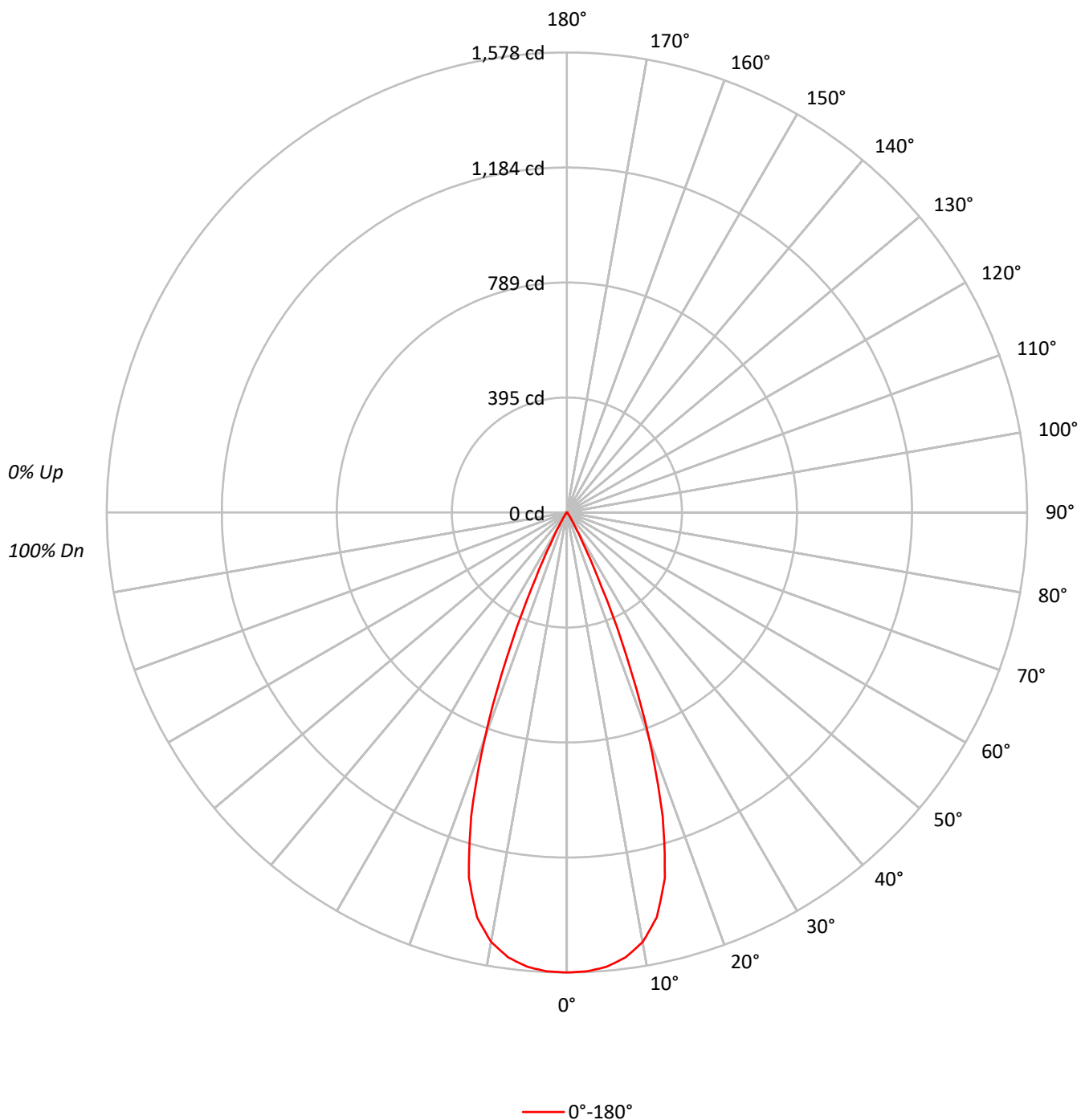
Lumens per Lamp: N/A
Luminaire Lumens: 657.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1248524

CATALOG NUMBER: P3AS05R409027DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1248524

CATALOG NUMBER: P3AS05R409027DE010 E3CD1MW

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75	73
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	345937
5°	344265
10°	333038
15°	294667
20°	192237
25°	68109
30°	14433
35°	4765
40°	1746
45°	589
50°	478
55°	535
60°	395
65°	467
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 840 cd/sqm

TEST NUMBER: P1248524

CATALOG NUMBER: P3AS05R409027DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	22.4
10°-20°	342.7	52.2
20°-30°	148.7	22.6
30°-40°	13.7	2.1
40°-50°	2.0	0.3
50°-60°	1.2	0.2
60°-70°	0.8	0.1
70°-80°	0.5	0.1
80°-90°	0.2	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°	638.6	97.2
0°-40°	652.3	99.3
0°-60°	655.5	99.8
0°-90°	657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1578	
5°	1564	147
15°	1298	343
25°	282	149
35°	18	14
45°	2	2
55°	1	1
65°	1	1
75°	0	1
85°	0	0
90°	0	

TEST NUMBER: P1248524

CATALOG NUMBER: P3AS05R409027DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1577.6
2.5°	1575.7
5°	1564.0
7.5°	1539.2
10°	1495.7
12.5°	1422.3
15°	1298.0
17.5°	1091.8
20°	823.8
22.5°	534.9
25°	281.5
27.5°	121.1
30°	57.0
32.5°	30.9
35°	17.8
37.5°	10.8
40°	6.1
42.5°	3.3
45°	1.9
47.5°	1.4
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)