

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: P1251285

Luminaire Tested: P3AS05R509030DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509030DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

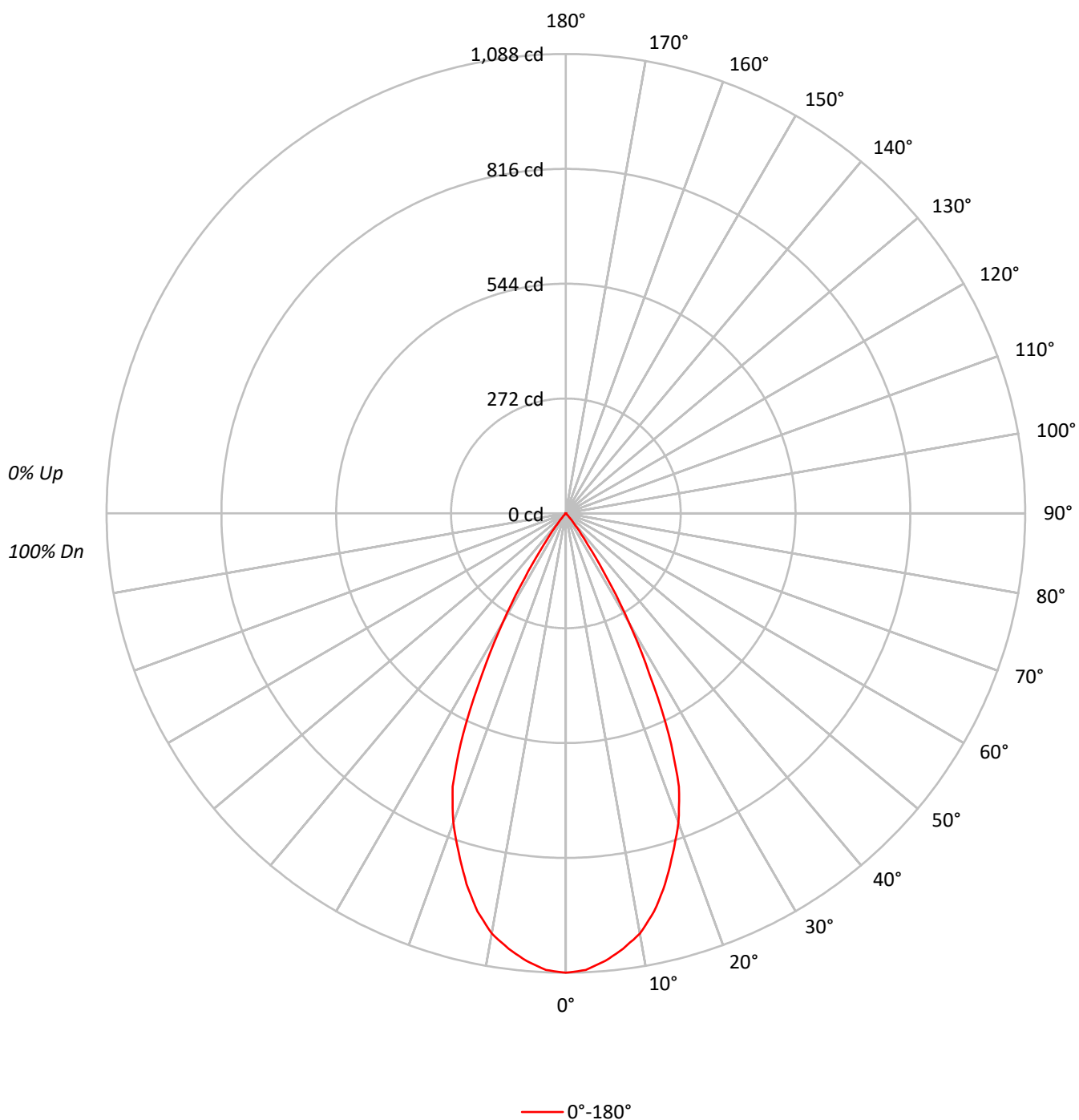
Lumens per Lamp: N/A
Luminaire Lumens: 685.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1251285

CATALOG NUMBER: P3AS05R509030DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1251285

CATALOG NUMBER: P3AS05R509030DE010 E3CD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					30					10					0
RW	70	50	30	10		70	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
1	114	112	109	107		112	109	107	106		105	104	102		102	101	99		98	97	96
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91
3	105	99	95	91		103	98	94	90		95	92	89		93	90	88		91	88	86
4	100	94	89	85		99	92	88	85		90	87	84		88	85	83		87	84	82
5	96	89	84	80		94	88	83	79		86	82	79		84	81	78		83	80	77
6	92	84	79	75		91	83	79	75		82	78	74		81	77	74		79	76	73
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	67		83	76	71	67		75	70	67		74	70	67		73	69	66
9	81	73	68	64		80	72	67	64		71	67	64		71	66	63		70	66	63
10	78	69	64	61		77	69	64	61		68	64	61		68	63	61		67	63	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	238555
5°	234294
10°	224957
15°	206289
20°	181899
25°	139435
30°	75809
35°	24387
40°	5725
45°	775
50°	682
55°	765
60°	658
65°	778
70°	641
75°	847
80°	631
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 1258 cd/sqm

TEST NUMBER: P1251285

CATALOG NUMBER: P3AS05R509030DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	14.6
10°-20°	252.6	36.9
20°-30°	253.0	36.9
30°-40°	71.1	10.4
40°-50°	4.3	0.6
50°-60°	1.6	0.2
60°-70°	1.3	0.2
70°-80°	0.9	0.1
80°-90°	0.3	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°	605.5	88.4
0°-40°	676.6	98.8
0°-60°	682.5	99.6
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1088	
5°	1064	100
15°	909	253
25°	576	253
35°	91	71
45°	2	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1251285

CATALOG NUMBER: P3AS05R509030DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1087.9
2.5°	1082.4
5°	1064.4
7.5°	1039.9
10°	1010.3
12.5°	965.8
15°	908.7
17.5°	843.1
20°	779.5
22.5°	700.4
25°	576.3
27.5°	429.1
30°	299.4
32.5°	180.7
35°	91.1
37.5°	43.1
40°	20.0
42.5°	7.5
45°	2.5
47.5°	2.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)