

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: P1252744

Luminaire Tested: P3AS20R409030D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409030D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

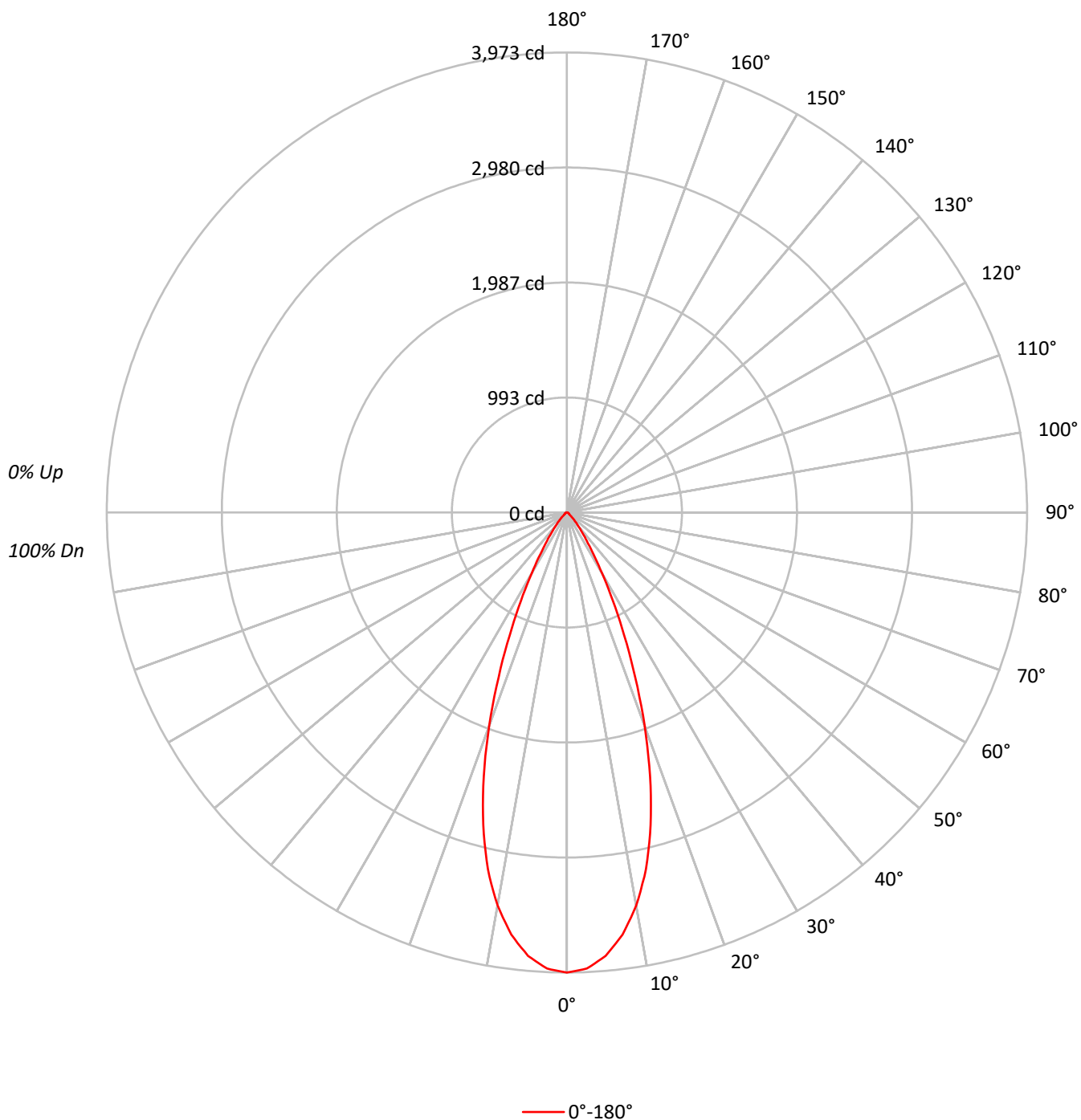
Lumens per Lamp: N/A
Luminaire Lumens: 1969.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1252744

CATALOG NUMBER: P3AS20R409030D010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1252744

CATALOG NUMBER: P3AS20R409030D010 E3DL1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	68	84	76	71	67	75	70	67		74	70	67		73
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	871268
5°	845959
10°	767677
15°	634192
20°	457490
25°	282960
30°	153188
35°	79183
40°	43052
45°	24096
50°	12110
55°	9061
60°	8157
65°	7887
70°	7565
75°	7202
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24096 cd/sqm

TEST NUMBER: P1252744

CATALOG NUMBER: P3AS20R409030D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.3	18.0
10°-20°	760.7	38.6
20°-30°	542.9	27.6
30°-40°	199.9	10.2
40°-50°	62.9	3.2
50°-60°	21.9	1.1
60°-70°	15.0	0.8
70°-80°	8.9	0.5
80°-90°	2.5	0.1
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°	1657.8	84.2
0°-40°	1857.7	94.3
0°-60°	1942.5	98.7
0°-90°	1969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1969.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3973	
5°	3843	354
15°	2794	761
25°	1170	543
35°	296	200
45°	78	63
55°	24	22
65°	15	15
75°	8	9
85°	2	3
90°	0	

TEST NUMBER: P1252744

CATALOG NUMBER: P3AS20R409030D010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3973.3
2.5°	3942.9
5°	3843.2
7.5°	3677.5
10°	3447.7
12.5°	3155.3
15°	2793.6
17.5°	2388.0
20°	1960.5
22.5°	1539.6
25°	1169.5
27.5°	858.5
30°	605.0
32.5°	424.2
35°	295.8
37.5°	209.6
40°	150.4
42.5°	108.2
45°	77.7
47.5°	52.4
50°	35.5
52.5°	25.4
55°	23.7
57.5°	22.0
60°	18.6
62.5°	16.9
65°	15.2
67.5°	13.5
70°	11.8
72.5°	10.1
75°	8.5
77.5°	6.8
80°	5.1
82.5°	3.4
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)