

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: P1252804

Luminaire Tested: P3AS20R509030D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509030D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

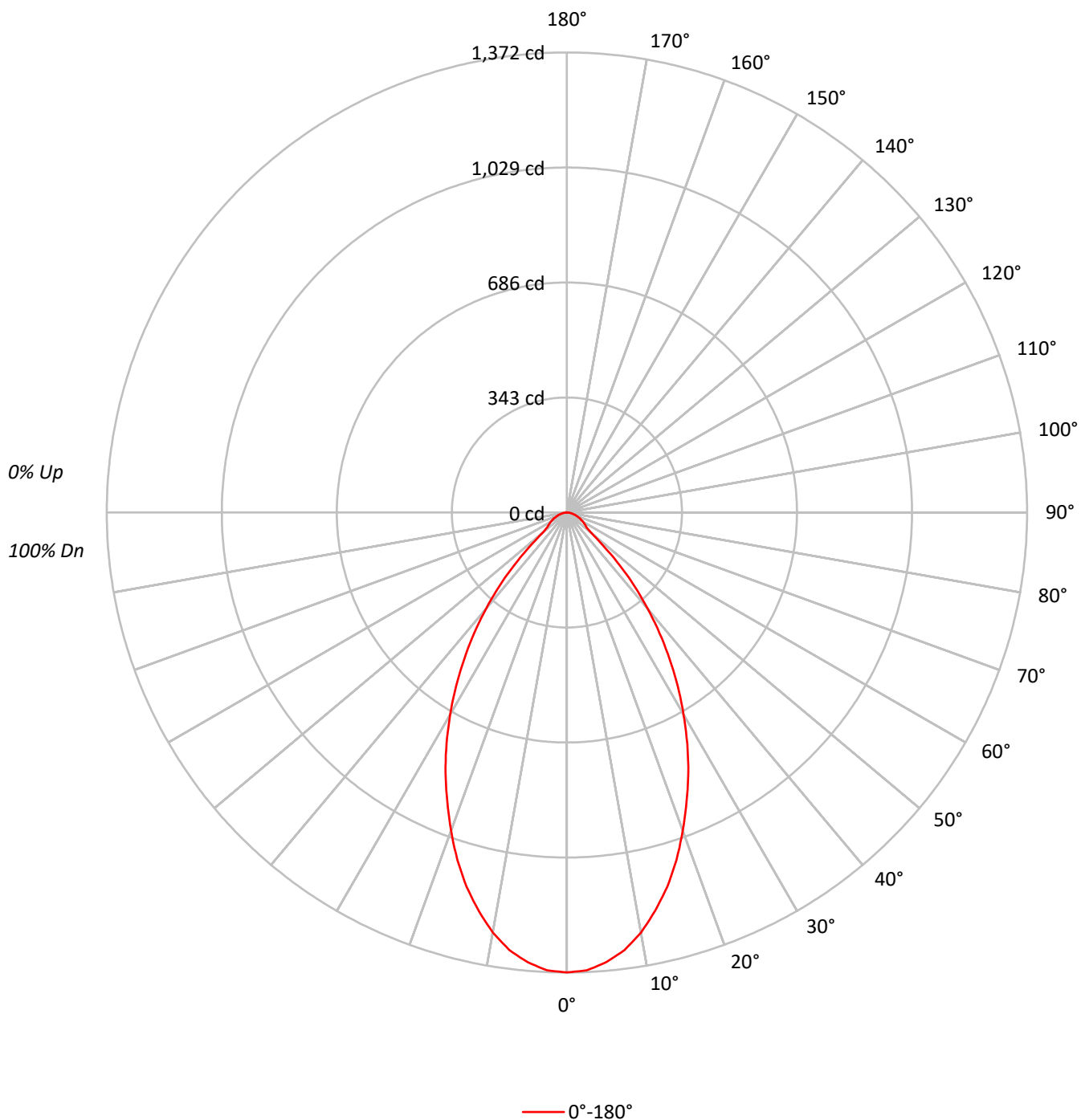
Lumens per Lamp: N/A
Luminaire Lumens: 1480.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	300765
5°	296345
10°	283206
15°	262294
20°	235710
25°	207206
30°	176204
35°	142894
40°	107344
45°	69154
50°	32852
55°	25844
60°	24428
65°	22778
70°	20580
75°	18639
80°	17048
85°	17109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	8.5
10°-20°	322.1	21.8
20°-30°	391.4	26.4
30°-40°	331.9	22.4
40°-50°	172.4	11.6
50°-60°	62.2	4.2
60°-70°	43.0	2.9
70°-80°	23.4	1.6
80°-90°	7.4	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°	839.7	56.7
0°-40°	1171.6	79.2
0°-60°	1406.2	95.0
0°-90°	1480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1372	
5°	1346	126
15°	1155	322
25°	856	391
35°	534	332
45°	223	172
55°	68	62
65°	44	43
75°	22	23
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1371.6
2.5°	1366.5
5°	1346.3
7.5°	1315.9
10°	1271.9
12.5°	1216.2
15°	1155.4
17.5°	1086.1
20°	1010.1
22.5°	932.4
25°	856.4
27.5°	777.0
30°	695.9
32.5°	614.9
35°	533.8
37.5°	454.4
40°	375.0
42.5°	299.0
45°	223.0
47.5°	148.6
50°	96.3
52.5°	74.3
55°	67.6
57.5°	60.8
60°	55.7
62.5°	49.0
65°	43.9
67.5°	37.2
70°	32.1
72.5°	27.0
75°	22.0
77.5°	16.9
80°	13.5
82.5°	10.1
85°	6.8
87.5°	3.4
90°	0.0

(END OF REPORT)