

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: P1258215

Luminaire Tested: P3AS20R509040D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258215
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: P3AS20R509040D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

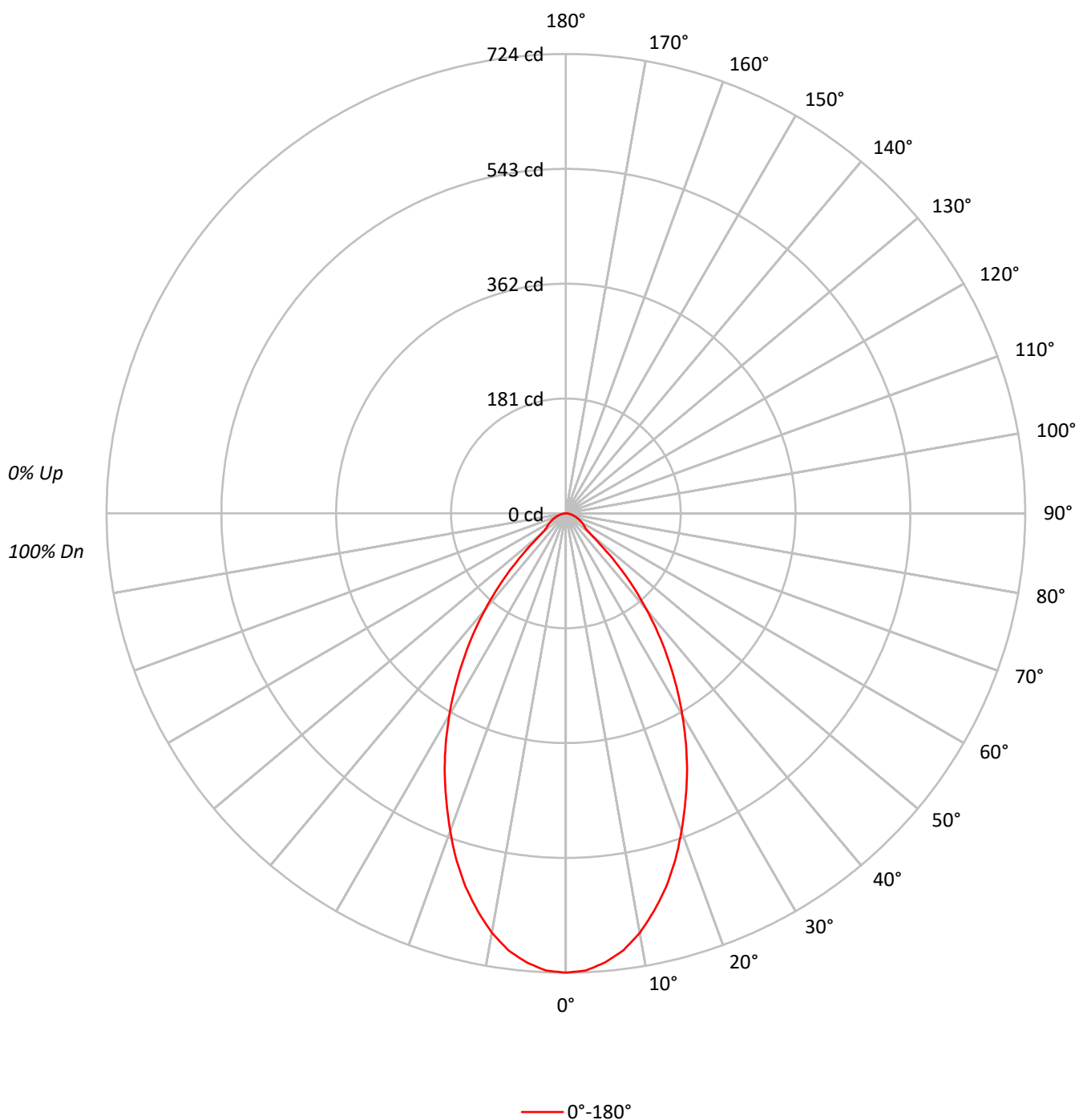
Lumens per Lamp: N/A
Luminaire Lumens: 781.0 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	158715
5°	156372
10°	149452
15°	138412
20°	124377
25°	109337
30°	92976
35°	75409
40°	56649
45°	36500
50°	17330
55°	13648
60°	12894
65°	12038
70°	10835
75°	9828
80°	8966
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	8.5
10°-20°	170.0	21.8
20°-30°	206.5	26.4
30°-40°	175.2	22.4
40°-50°	91.0	11.7
50°-60°	32.8	4.2
60°-70°	22.7	2.9
70°-80°	12.3	1.6
80°-90°	3.9	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°	443.1	56.7
0°-40°	618.3	79.2
0°-60°	742.1	95.0
0°-90°	781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	724	
5°	710	67
15°	610	170
25°	452	207
35°	282	175
45°	118	91
55°	36	33
65°	23	23
75°	12	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	723.8
2.5°	721.1
5°	710.4
7.5°	694.4
10°	671.2
12.5°	641.8
15°	609.7
17.5°	573.2
20°	533.0
22.5°	492.0
25°	451.9
27.5°	410.0
30°	367.2
32.5°	324.5
35°	281.7
37.5°	239.8
40°	197.9
42.5°	157.8
45°	117.7
47.5°	78.4
50°	50.8
52.5°	39.2
55°	35.7
57.5°	32.1
60°	29.4
62.5°	25.8
65°	23.2
67.5°	19.6
70°	16.9
72.5°	14.3
75°	11.6
77.5°	8.9
80°	7.1
82.5°	5.3
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)