

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: P1258164

Luminaire Tested: P3AS20R409040D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409040D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

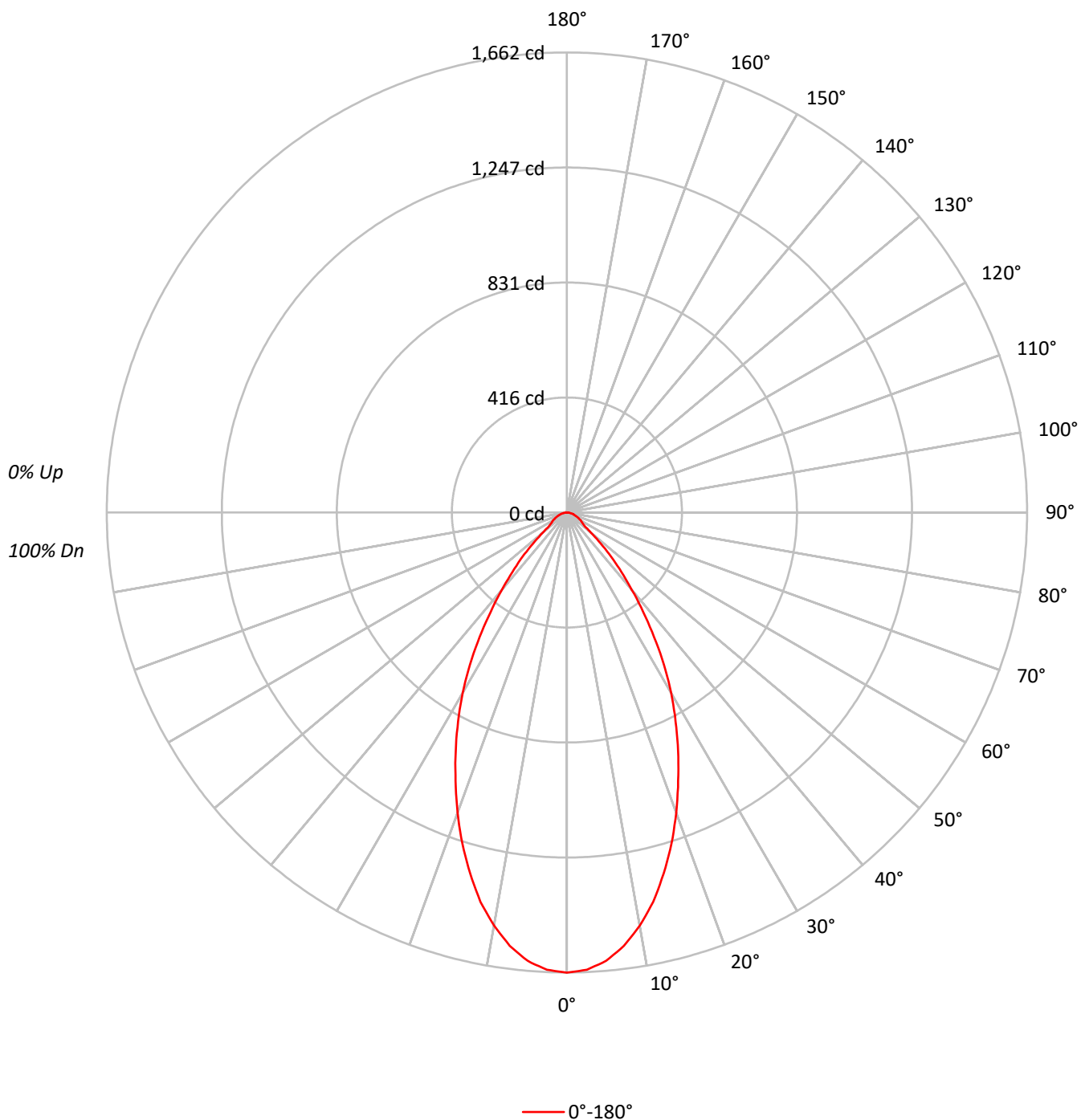
Lumens per Lamp: N/A
Luminaire Lumens: 1624.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364554
5°	357956
10°	337402
15°	306472
20°	269243
25°	229925
30°	190460
35°	146883
40°	104539
45°	70426
50°	38446
55°	27105
60°	25480
65°	23556
70°	20965
75°	19995
80°	16037
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	9.3
10°-20°	376.1	23.2
20°-30°	434.7	26.8
30°-40°	342.6	21.1
40°-50°	175.9	10.8
50°-60°	67.3	4.1
60°-70°	44.5	2.7
70°-80°	24.2	1.5
80°-90°	7.2	0.4
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°	962.4	59.3
0°-40°	1305.1	80.4
0°-60°	1548.2	95.3
0°-90°	1624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1624.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1662	
5°	1626	152
15°	1350	376
25°	950	435
35°	549	343
45°	227	176
55°	71	67
65°	45	44
75°	24	24
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1662.5
2.5°	1653.4
5°	1626.2
7.5°	1578.9
10°	1515.3
12.5°	1440.8
15°	1350.0
17.5°	1255.5
20°	1153.8
22.5°	1050.2
25°	950.3
27.5°	850.3
30°	752.2
32.5°	652.3
35°	548.7
37.5°	452.4
40°	365.2
42.5°	290.7
45°	227.1
47.5°	165.3
50°	112.7
52.5°	81.8
55°	70.9
57.5°	63.6
60°	58.1
62.5°	50.9
65°	45.4
67.5°	38.2
70°	32.7
72.5°	27.3
75°	23.6
77.5°	18.2
80°	12.7
82.5°	10.9
85°	5.5
87.5°	3.6
90°	0.0

(END OF REPORT)