

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: P1258319

Luminaire Tested: P3AS20R709040D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709040D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

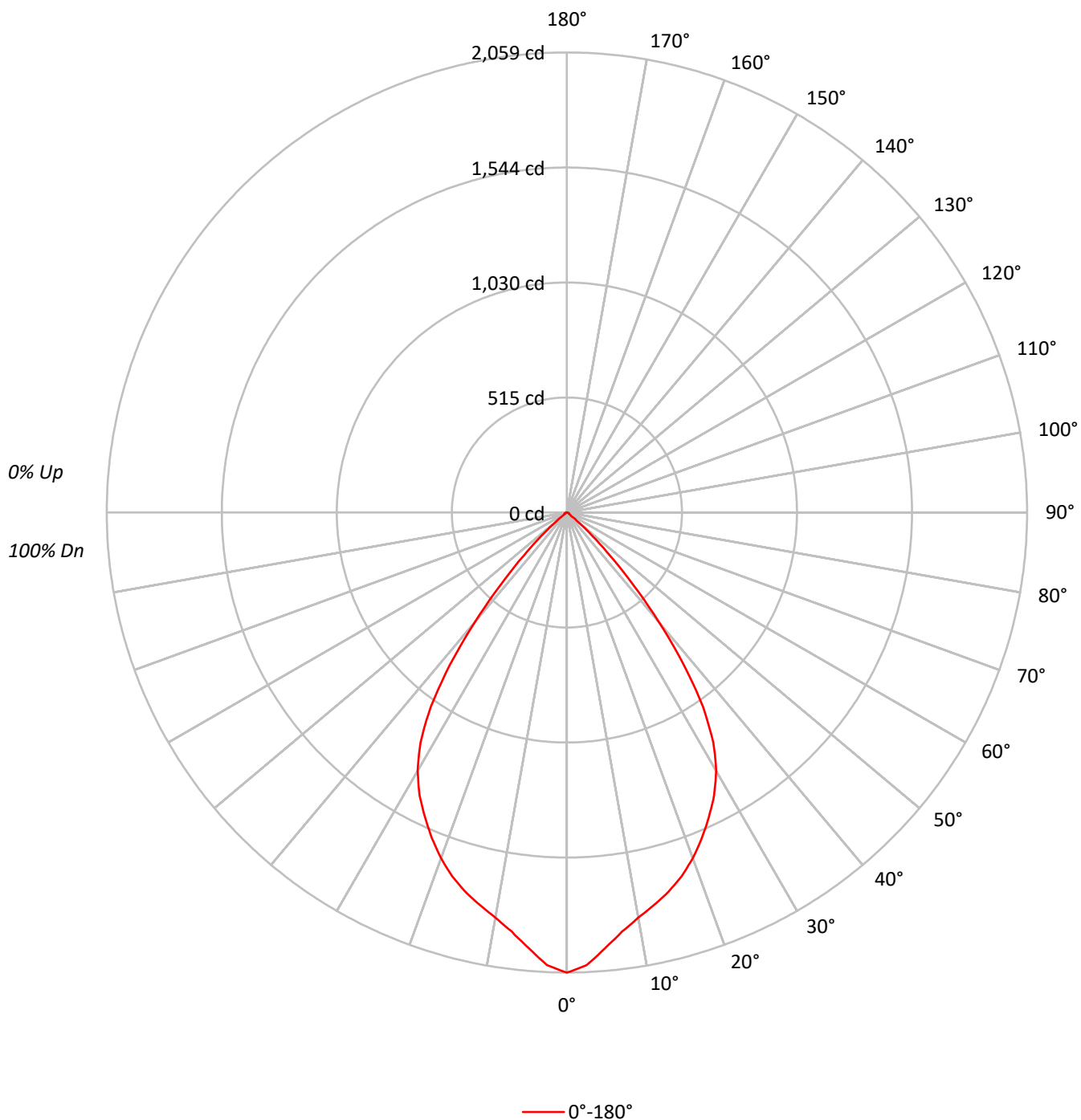
Lumens per Lamp: N/A
Luminaire Lumens: 2274.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	451565
5°	430882
10°	409968
15°	398981
20°	384263
25°	363674
30°	338255
35°	284129
40°	183143
45°	85094
50°	22311
55°	5543
60°	5570
65°	4722
70°	4680
75°	4660
80°	4546
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 85094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	8.1
10°-20°	493.8	21.7
20°-30°	690.0	30.3
30°-40°	639.8	28.1
40°-50°	229.4	10.1
50°-60°	19.4	0.9
60°-70°	9.7	0.4
70°-80°	6.3	0.3
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°	1367.1	60.1
0°-40°	2006.8	88.3
0°-60°	2255.6	99.2
0°-90°	2274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2059	
5°	1958	183
15°	1758	494
25°	1503	690
35°	1061	640
45°	274	229
55°	14	19
65°	9	10
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2059.3
2.5°	2028.4
5°	1957.5
7.5°	1892.0
10°	1841.2
12.5°	1799.3
15°	1757.5
17.5°	1706.7
20°	1646.7
22.5°	1577.6
25°	1503.1
27.5°	1426.8
30°	1335.9
32.5°	1219.6
35°	1061.4
37.5°	859.7
40°	639.8
42.5°	436.2
45°	274.4
47.5°	152.7
50°	65.4
52.5°	21.8
55°	14.5
57.5°	12.7
60°	12.7
62.5°	10.9
65°	9.1
67.5°	9.1
70°	7.3
72.5°	7.3
75°	5.5
77.5°	5.5
80°	3.6
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)