

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: P1255617

Luminaire Tested: P3AS20R709035D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709035D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

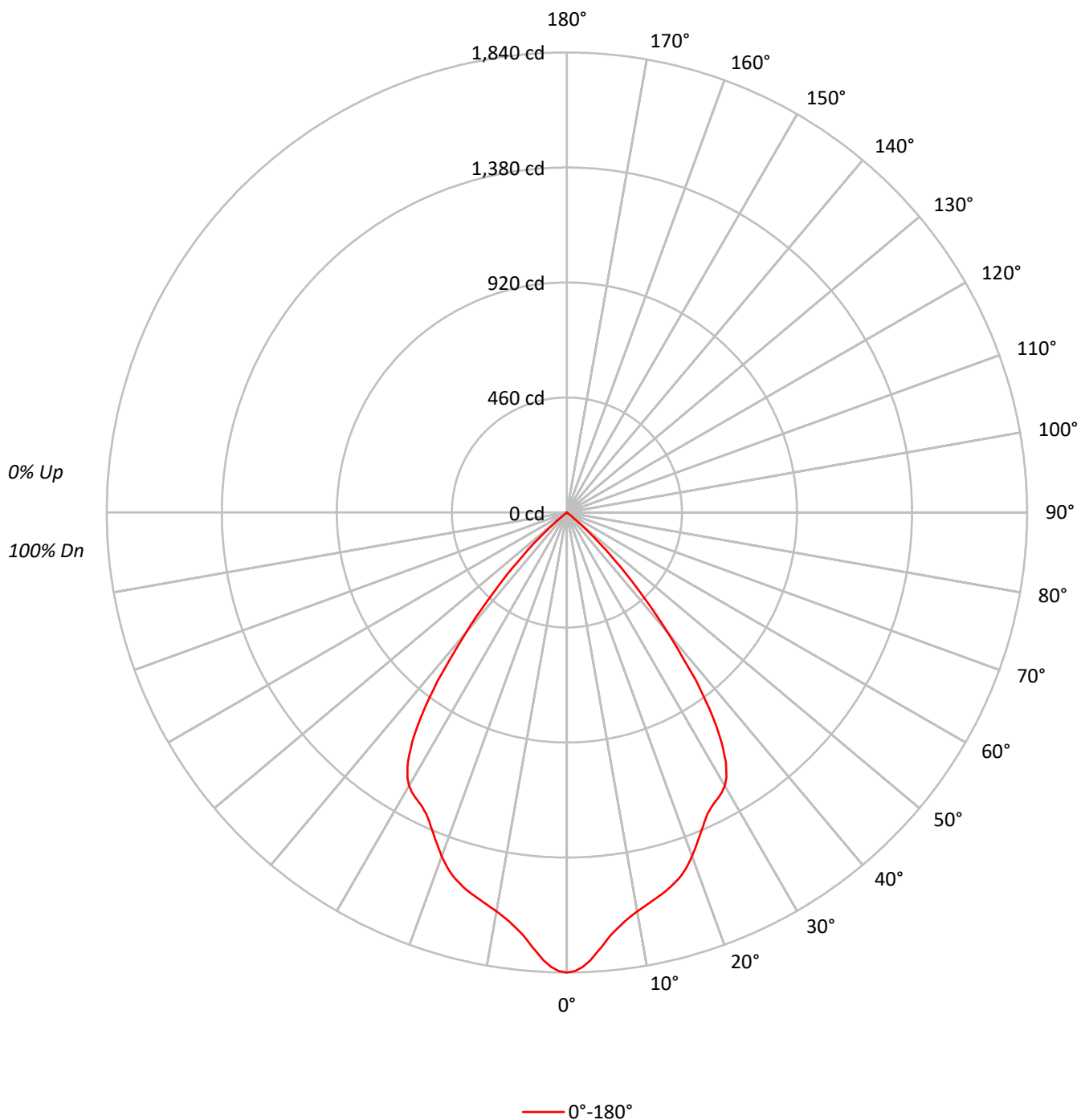
Lumens per Lamp: N/A
Luminaire Lumens: 2075.1 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	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		86
4	95	87	81	77	94	86	81	77	84	79	76		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	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	403476
5°	380430
10°	360737
15°	354236
20°	341466
25°	321865
30°	319593
35°	278320
40°	180023
45°	85094
50°	11906
55°	994
60°	746
65°	882
70°	577
75°	763
80°	1137
85°	0

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°	161.4	7.8
10°-20°	438.2	21.1
20°-30°	619.9	29.9
30°-40°	623.0	30.0
40°-50°	224.0	10.8
50°-60°	6.0	0.3
60°-70°	1.4	0.1
70°-80°	1.0	0.0
80°-90°	0.1	0.0
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°	1219.5	58.8
0°-40°	1842.5	88.8
0°-60°	2072.6	99.9
0°-90°	2075.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1840	
5°	1728	161
15°	1560	438
25°	1330	620
35°	1040	623
45°	274	224
55°	3	6
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1840.0
1°	1834.9
2°	1818.7
3°	1793.1
4°	1760.7
5°	1728.3
6°	1697.6
7°	1673.8
8°	1652.5
9°	1635.4
10°	1620.1
11°	1607.3
12°	1595.4
13°	1583.4
14°	1572.4
15°	1560.4
16°	1545.9
17°	1530.6
18°	1511.9
19°	1488.8
20°	1463.3
21°	1435.2
22°	1407.0
23°	1379.8
24°	1353.3
25°	1330.3
26°	1314.1
27°	1301.4
28°	1291.1
29°	1279.2
30°	1262.2
31°	1237.4
32°	1202.5
32.5°	1182.9
33°	1156.5
34°	1104.5
35°	1039.7
36°	968.1
37°	887.2
37.5°	849.7
38°	798.5
39°	707.4
40°	628.9
42.5°	435.5
45°	274.4

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	147.4
50°	34.9
52.5°	4.3
55°	2.6
57.5°	2.6
60°	1.7
62.5°	1.7
65°	1.7
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)