

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: P1255612

Luminaire Tested: P3AS20R709035D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255612
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: P3AS20R709035D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

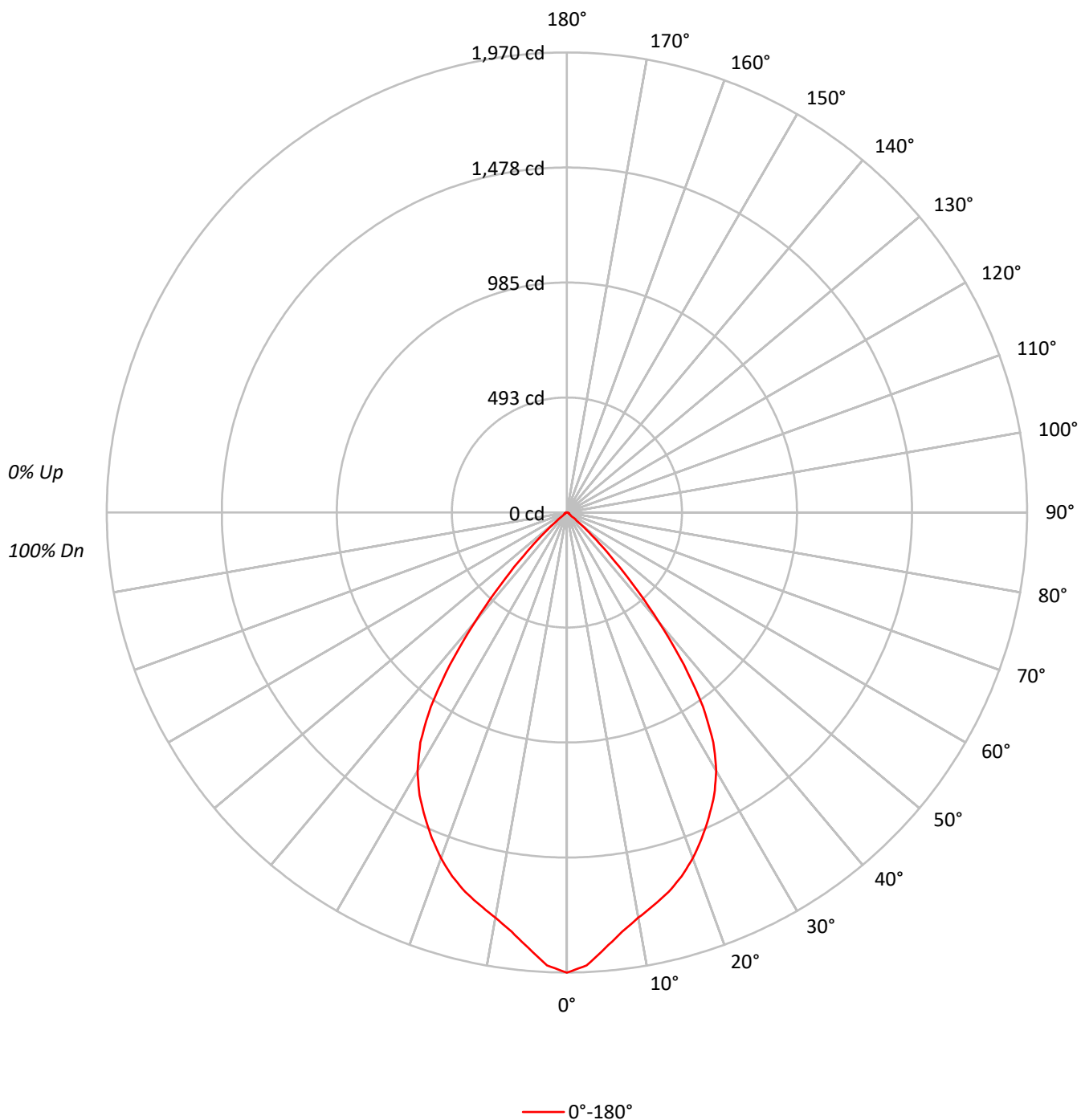
Lumens per Lamp: N/A
Luminaire Lumens: 2176.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1255612

CATALOG NUMBER: P3AS20R709035D010 E3CD1MW

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°	432093
5°	412304
10°	392288
15°	381796
20°	367695
25°	347996
30°	323670
35°	271895
40°	175243
45°	81435
50°	21355
55°	5314
60°	5350
65°	4514
70°	4488
75°	4406
80°	4420
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81435 cd/sqm

TEST NUMBER: P1255612

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	8.1
10°-20°	472.6	21.7
20°-30°	660.3	30.3
30°-40°	612.2	28.1
40°-50°	219.5	10.1
50°-60°	18.6	0.9
60°-70°	9.3	0.4
70°-80°	6.0	0.3
80°-90°	2.4	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°	1308.2	60.1
0°-40°	1920.3	88.3
0°-60°	2158.4	99.2
0°-90°	2176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2176.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1970	
5°	1873	175
15°	1682	473
25°	1438	660
35°	1016	612
45°	263	219
55°	14	19
65°	9	9
75°	5	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1970.5
2.5°	1940.9
5°	1873.1
7.5°	1810.5
10°	1761.8
12.5°	1721.8
15°	1681.8
17.5°	1633.1
20°	1575.7
22.5°	1509.6
25°	1438.3
27.5°	1365.3
30°	1278.3
32.5°	1167.0
35°	1015.7
37.5°	822.6
40°	612.2
42.5°	417.4
45°	262.6
47.5°	146.1
50°	62.6
52.5°	20.9
55°	13.9
57.5°	12.2
60°	12.2
62.5°	10.4
65°	8.7
67.5°	8.7
70°	7.0
72.5°	7.0
75°	5.2
77.5°	5.2
80°	3.5
82.5°	3.5
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)