

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: P1250198

Luminaire Tested: P3AS20R709027D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250198
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: P3AS20R709027D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

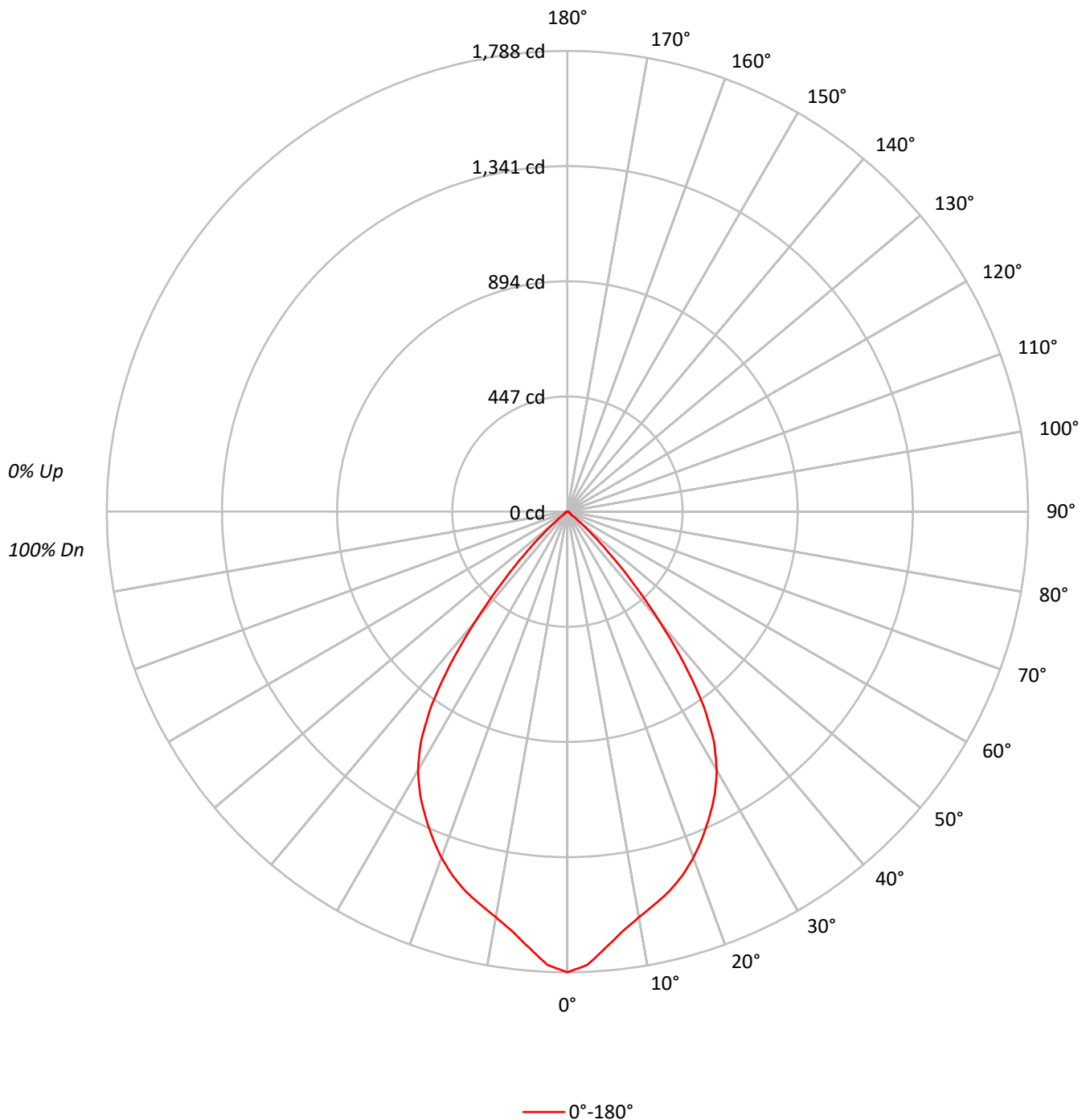
Lumens per Lamp: N/A
Luminaire Lumens: 1974.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	391986
5°	374025
10°	355883
15°	346358
20°	333556
25°	315696
30°	293615
35°	246652
40°	158984
45°	73868
50°	19377
55°	4817
60°	4824
65°	4099
70°	4039
75°	3982
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	8.1
10°-20°	428.7	21.7
20°-30°	599.0	30.3
30°-40°	555.4	28.1
40°-50°	199.1	10.1
50°-60°	16.8	0.9
60°-70°	8.4	0.4
70°-80°	5.4	0.3
80°-90°	2.2	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°	1186.7	60.1
0°-40°	1742.1	88.3
0°-60°	1958.0	99.2
0°-90°	1974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1788	
5°	1699	159
15°	1526	429
25°	1305	599
35°	921	555
45°	238	199
55°	13	17
65°	8	8
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1787.6
2.5°	1760.8
5°	1699.2
7.5°	1642.4
10°	1598.3
12.5°	1562.0
15°	1525.7
17.5°	1481.5
20°	1429.4
22.5°	1369.5
25°	1304.8
27.5°	1238.5
30°	1159.6
32.5°	1058.7
35°	921.4
37.5°	746.3
40°	555.4
42.5°	378.7
45°	238.2
47.5°	132.5
50°	56.8
52.5°	18.9
55°	12.6
57.5°	11.0
60°	11.0
62.5°	9.5
65°	7.9
67.5°	7.9
70°	6.3
72.5°	6.3
75°	4.7
77.5°	4.7
80°	3.2
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)