

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: P1274932

Luminaire Tested: P3AS20R709830D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274932
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: P3AS20R709830D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

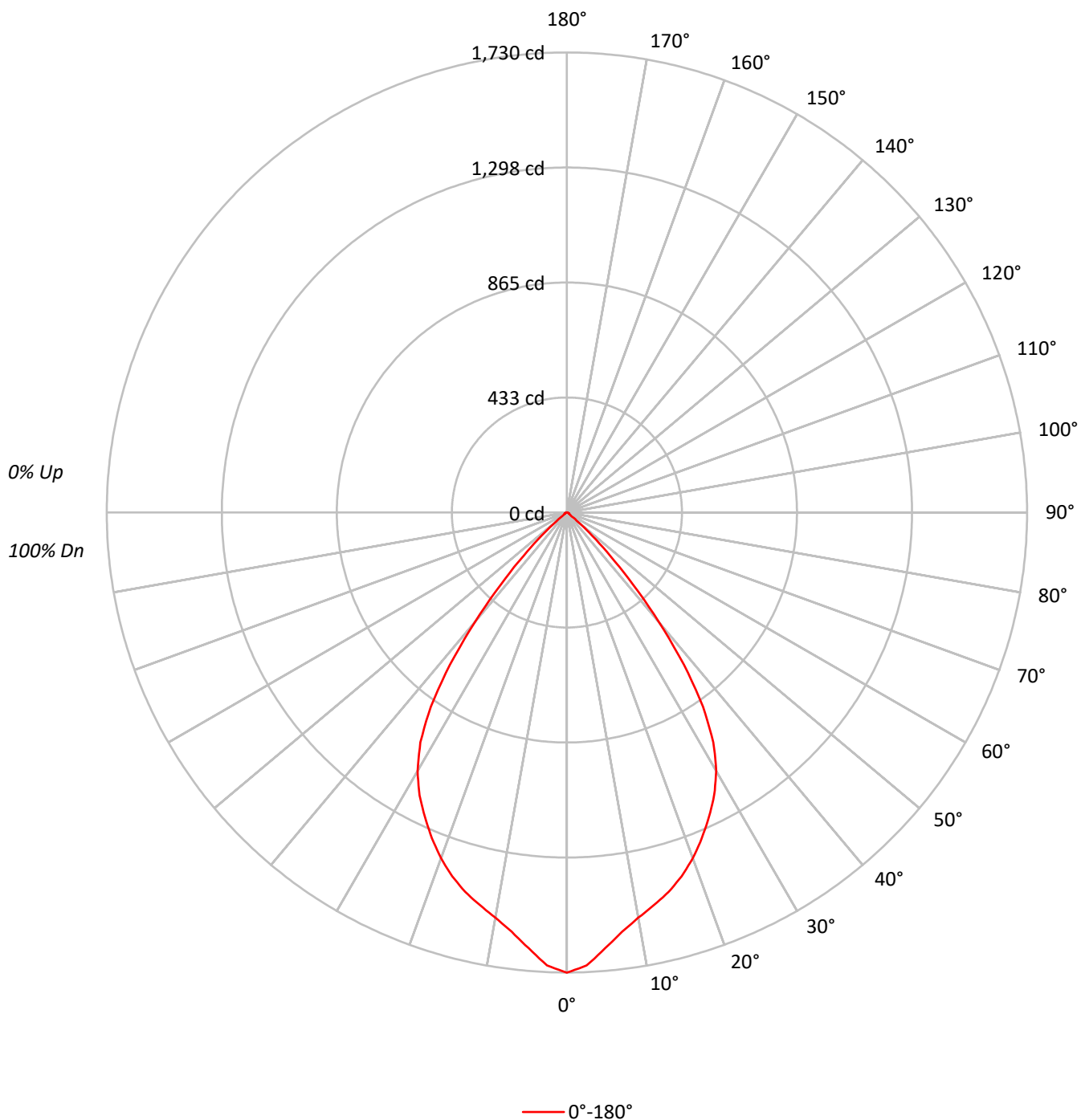
Lumens per Lamp: N/A
Luminaire Lumens: 1911.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	379465
5°	362095
10°	344505
15°	335303
20°	322915
25°	305631
30°	284246
35°	238782
40°	153888
45°	71511
50°	18763
55°	4664
60°	4693
65°	3943
70°	3911
75°	3897
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	8.1
10°-20°	415.0	21.7
20°-30°	579.9	30.3
30°-40°	537.6	28.1
40°-50°	192.7	10.1
50°-60°	16.3	0.9
60°-70°	8.1	0.4
70°-80°	5.3	0.3
80°-90°	2.1	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°	1148.8	60.1
0°-40°	1686.5	88.3
0°-60°	1895.6	99.2
0°-90°	1911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1730	
5°	1645	154
15°	1477	415
25°	1263	580
35°	892	538
45°	231	193
55°	12	16
65°	8	8
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1730.5
2.5°	1704.6
5°	1645.0
7.5°	1590.0
10°	1547.2
12.5°	1512.1
15°	1477.0
17.5°	1434.2
20°	1383.8
22.5°	1325.8
25°	1263.2
27.5°	1199.0
30°	1122.6
32.5°	1024.9
35°	892.0
37.5°	722.5
40°	537.6
42.5°	366.6
45°	230.6
47.5°	128.3
50°	55.0
52.5°	18.3
55°	12.2
57.5°	10.7
60°	10.7
62.5°	9.2
65°	7.6
67.5°	7.6
70°	6.1
72.5°	6.1
75°	4.6
77.5°	4.6
80°	3.1
82.5°	3.1
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)