

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: P1272574

Luminaire Tested: P3AS20R209827D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209827D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

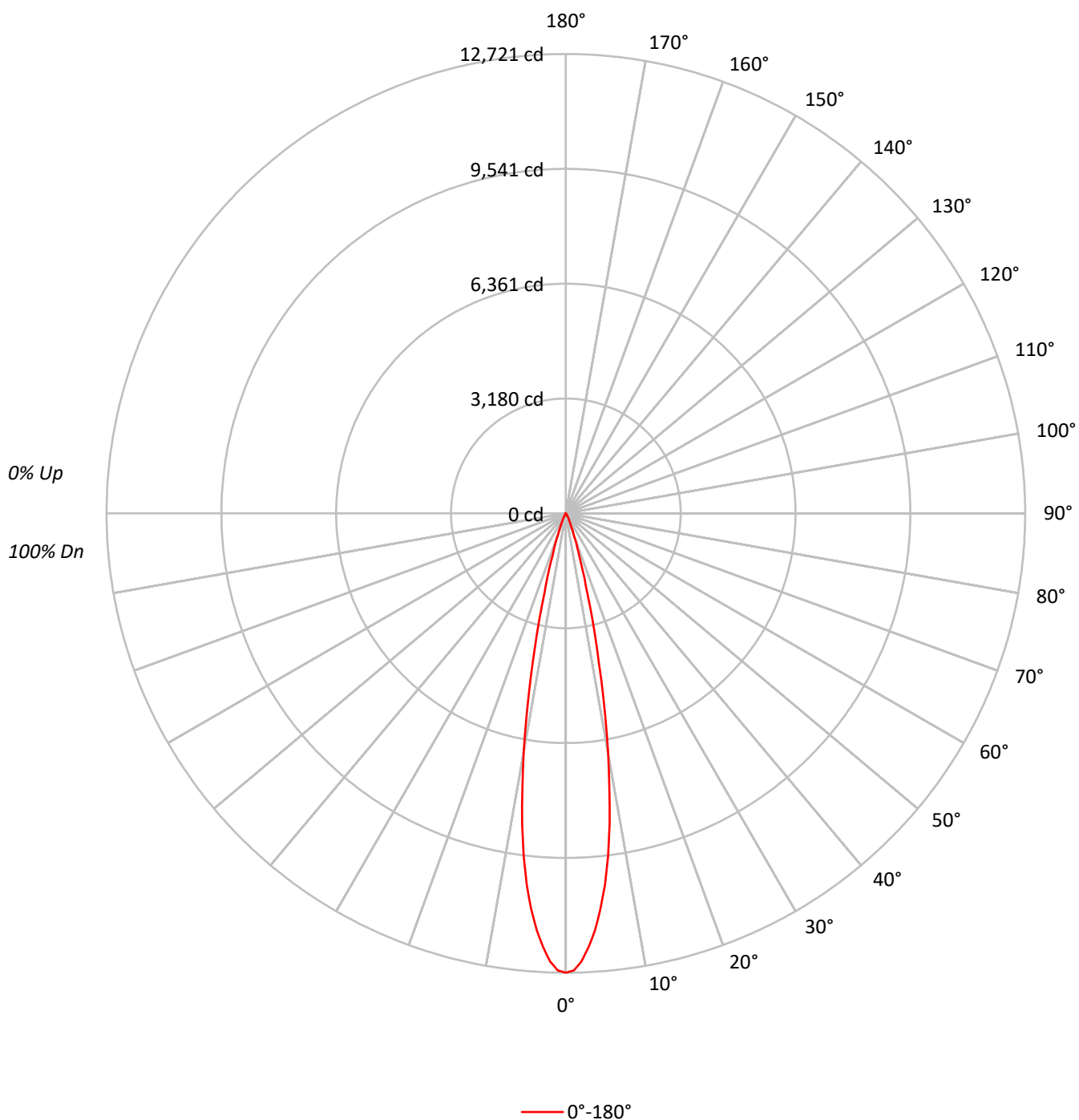
Lumens per Lamp: N/A
Luminaire Lumens: 1795.9 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	93	93	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	91	91	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90	90	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88	88	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86	86	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	85	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83	83	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	82	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2789382
5°	2421103
10°	1495987
15°	519594
20°	159567
25°	56398
30°	20889
35°	8379
40°	4466
45°	1768
50°	955
55°	1070
60°	1228
65°	726
70°	898
75°	1186
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.8	50.8
10°-20°	724.3	40.3
20°-30°	125.4	7.0
30°-40°	22.8	1.3
40°-50°	5.2	0.3
50°-60°	2.5	0.1
60°-70°	1.6	0.1
70°-80°	1.3	0.1
80°-90°	0.0	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°	1762.5	98.1
0°-40°	1785.3	99.4
0°-60°	1793.1	99.8
0°-90°	1795.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12721	
5°	10999	913
15°	2289	724
25°	233	125
35°	31	23
45°	6	5
55°	3	3
65°	1	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12720.6
1°	12659.5
2°	12417.8
3°	12029.7
4°	11574.8
5°	10999.1
6°	10339.4
7°	9571.8
8°	8697.5
9°	7715.1
10°	6718.6
12.5°	4237.8
15°	2288.8
17.5°	1222.6
20°	683.8
22.5°	390.9
25°	233.1
27.5°	142.2
30°	82.5
32.5°	48.3
35°	31.3
37.5°	21.3
40°	15.6
42.5°	10.0
45°	5.7
47.5°	2.8
50°	2.8
52.5°	2.8
55°	2.8
57.5°	2.8
60°	2.8
62.5°	1.4
65°	1.4
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)