

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: P1276891

Luminaire Tested: P3AS20R509835D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509835D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

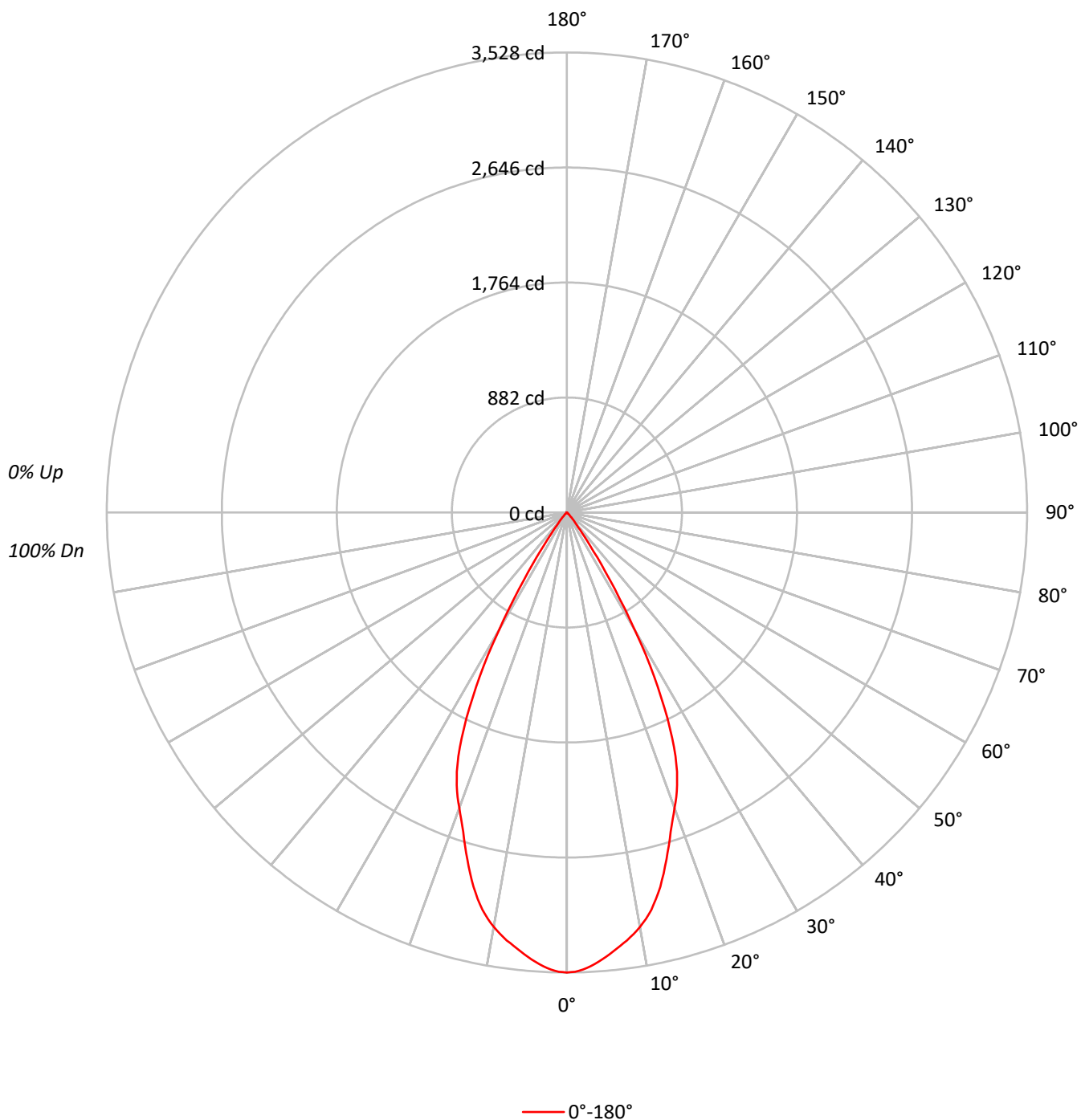
Lumens per Lamp: N/A
Luminaire Lumens: 2214.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	773710
5°	753113
10°	718669
15°	650628
20°	562872
25°	461712
30°	265231
35°	82396
40°	22127
45°	7753
50°	1876
55°	612
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7753 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	14.5
10°-20°	794.1	35.9
20°-30°	834.6	37.7
30°-40°	238.9	10.8
40°-50°	23.3	1.1
50°-60°	1.9	0.1
60°-70°	0.7	0.0
70°-80°	0.0	0.0
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°	1949.2	88.0
0°-40°	2188.1	98.8
0°-60°	2213.3	100.0
0°-90°	2214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2214.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3528	
5°	3421	320
15°	2866	794
25°	1908	835
35°	308	239
45°	25	23
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3528.4
1°	3522.9
2°	3507.3
3°	3484.6
4°	3454.2
5°	3421.4
6°	3386.2
7°	3348.7
8°	3313.6
9°	3272.9
10°	3227.6
11°	3175.3
12°	3115.2
13°	3040.2
14°	2958.9
15°	2866.0
16°	2767.6
17°	2672.3
18°	2574.6
19°	2488.7
20°	2412.1
21°	2338.7
22°	2255.1
23°	2159.1
24°	2046.6
25°	1908.3
26°	1758.3
27°	1591.2
28°	1424.8
29°	1245.1
30°	1047.5
31°	862.4
32°	692.1
32.5°	617.9
33°	542.9
34°	416.3
35°	307.8
36°	225.7
37°	167.9
37.5°	145.3
38°	125.8
39°	97.6
40°	77.3
42.5°	43.7
45°	25.0

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	14.1
50°	5.5
52.5°	2.3
55°	1.6
57.5°	1.6
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)