

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: P1276777

Luminaire Tested: P3AS20R309835D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309835D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

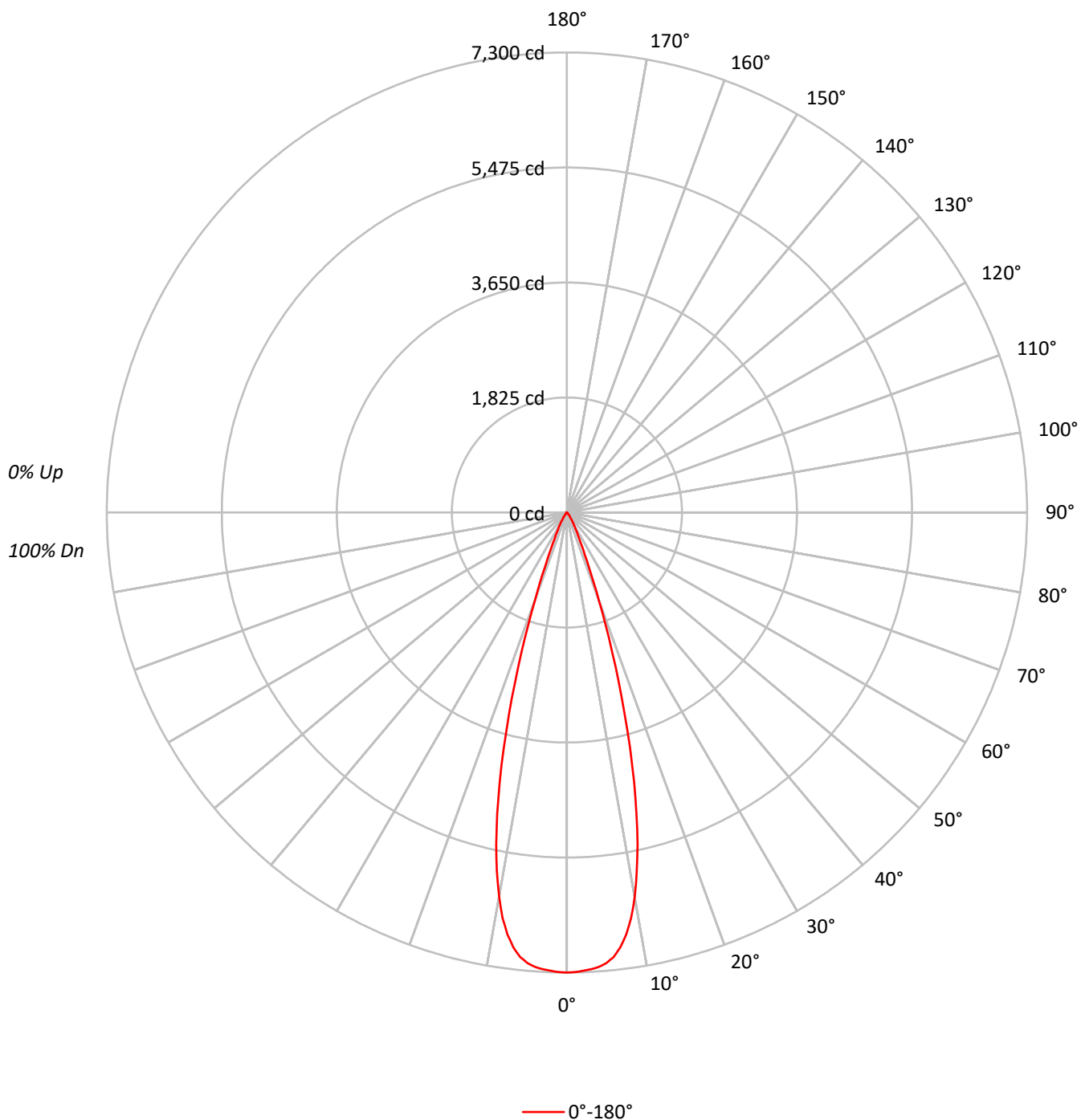
Lumens per Lamp: N/A
Luminaire Lumens: 2012.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	86
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1600815
5°	1579943
10°	1379422
15°	876781
20°	347370
25°	116039
30°	53983
35°	24467
40°	9389
45°	4590
50°	1330
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: 4590 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.2	32.6
10°-20°	1017.7	50.6
20°-30°	262.4	13.0
30°-40°	61.6	3.1
40°-50°	12.0	0.6
50°-60°	1.4	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°	1936.3	96.2
0°-40°	1997.9	99.3
0°-60°	2011.3	100.0
0°-90°	2012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7300	
5°	7178	656
15°	3862	1018
25°	480	262
35°	91	62
45°	15	12
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7300.3
1°	7294.8
2°	7277.6
3°	7258.1
4°	7229.2
5°	7177.7
6°	7094.1
7°	6955.1
8°	6765.3
9°	6517.7
10°	6195.1
11°	5811.6
12°	5393.0
13°	4911.1
14°	4406.6
15°	3862.2
16°	3328.7
17°	2814.8
18°	2322.0
19°	1869.8
20°	1488.6
21°	1171.5
22°	921.6
23°	729.5
24°	584.2
25°	479.6
26°	399.9
27°	339.7
28°	293.7
29°	251.5
30°	213.2
32.5°	134.3
35°	91.4
37.5°	57.0
40°	32.8
42.5°	21.9
45°	14.8
47.5°	8.6
50°	3.9
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
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)