

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: P1276885

Luminaire Tested: P3AS20R509835D010 E3CD1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509835D010 E3CD1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

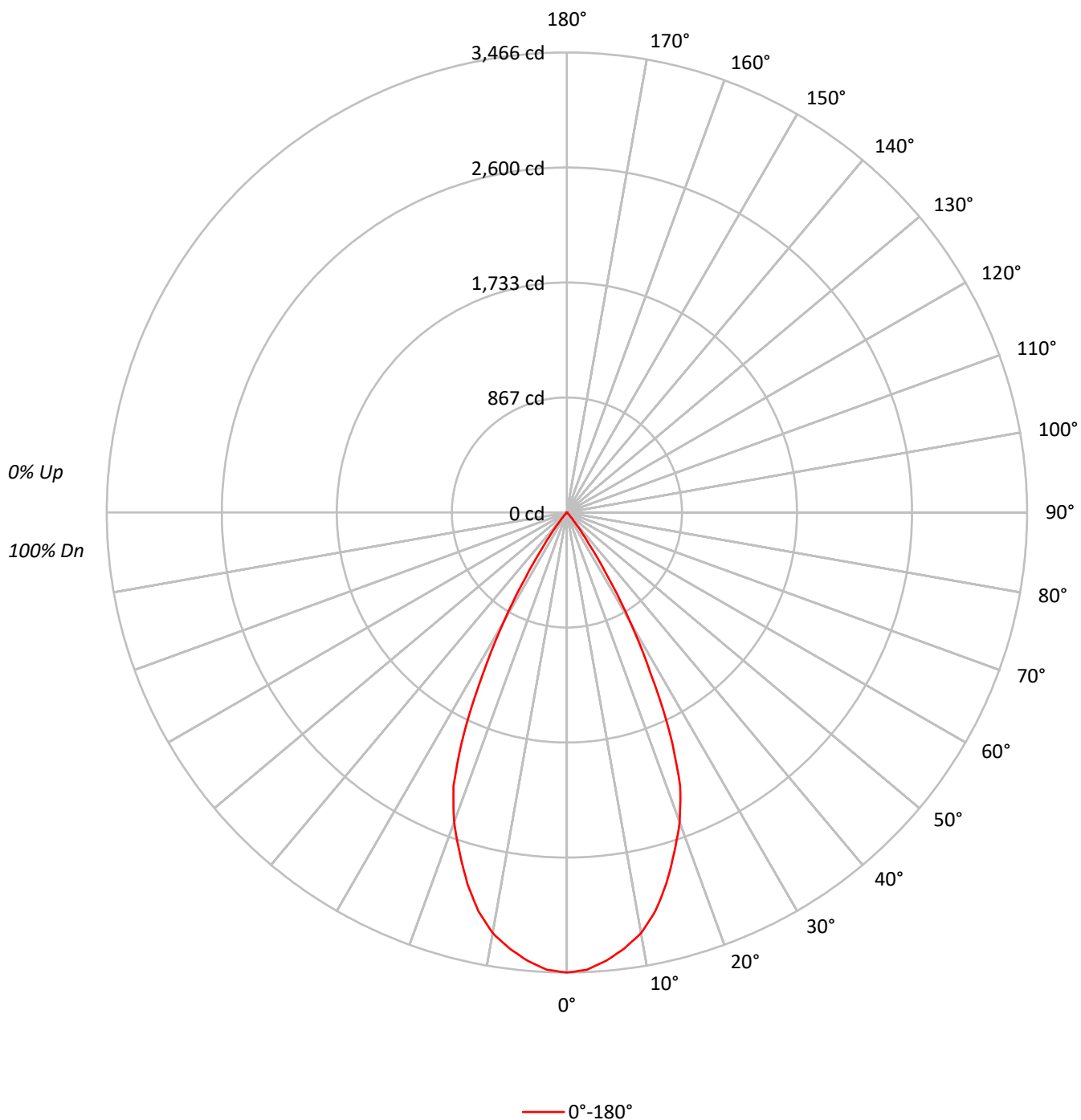
Lumens per Lamp: N/A
Luminaire Lumens: 2182.1 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	109	107	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	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	759917
5°	746333
10°	716598
15°	657121
20°	579440
25°	444122
30°	241480
35°	77711
40°	18263
45°	2481
50°	2183
55°	2447
60°	2105
65°	2491
70°	2052
75°	2711
80°	2020
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 4026 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.2	14.6
10°-20°	804.6	36.9
20°-30°	805.8	36.9
30°-40°	226.6	10.4
40°-50°	13.7	0.6
50°-60°	5.2	0.2
60°-70°	4.2	0.2
70°-80°	2.7	0.1
80°-90°	1.1	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°	1928.6	88.4
0°-40°	2155.2	98.8
0°-60°	2174.1	99.6
0°-90°	2182.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2182.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3466	
5°	3391	318
15°	2895	805
25°	1836	806
35°	290	227
45°	8	14
55°	6	5
65°	5	4
75°	3	3
85°	2	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3465.5
2.5°	3448.0
5°	3390.6
7.5°	3312.4
10°	3218.3
12.5°	3076.4
15°	2894.6
17.5°	2685.7
20°	2483.1
22.5°	2231.1
25°	1835.6
27.5°	1366.8
30°	953.7
32.5°	575.7
35°	290.3
37.5°	137.2
40°	63.8
42.5°	23.9
45°	8.0
47.5°	6.4
50°	6.4
52.5°	6.4
55°	6.4
57.5°	4.8
60°	4.8
62.5°	4.8
65°	4.8
67.5°	3.2
70°	3.2
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)