

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: P1255380

Luminaire Tested: P3AS20R309035D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309035D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

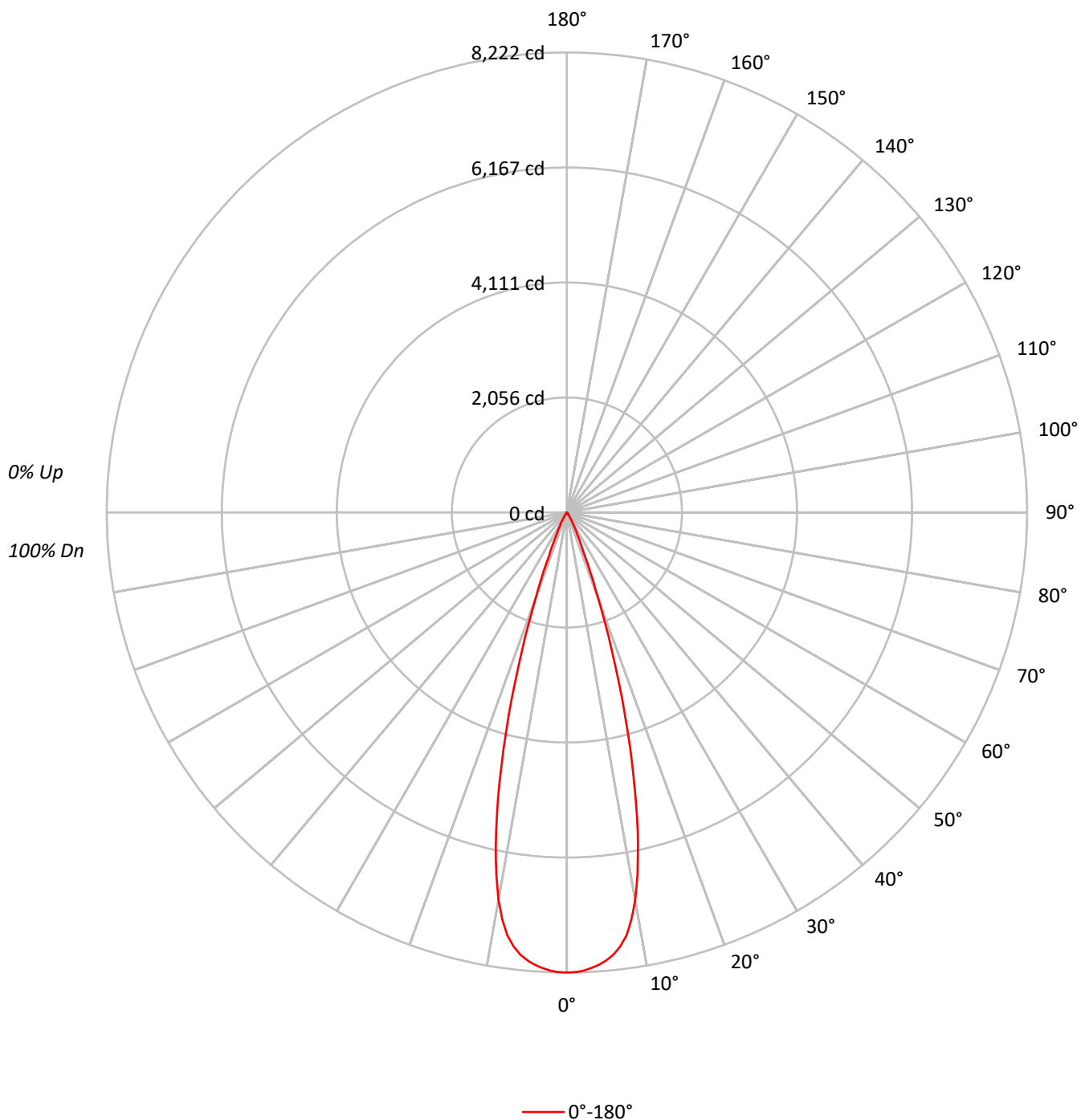
Lumens per Lamp: N/A
Luminaire Lumens: 2214.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	86	85	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1802948
5°	1768871
10°	1565903
15°	992106
20°	376586
25°	111490
30°	44032
35°	13492
40°	5983
45°	2171
50°	1774
55°	1338
60°	1535
65°	1816
70°	1090
75°	1440
80°	2147
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2171 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.7	33.4
10°-20°	1151.3	52.0
20°-30°	267.3	12.1
30°-40°	41.4	1.9
40°-50°	7.1	0.3
50°-60°	3.3	0.2
60°-70°	2.8	0.1
70°-80°	1.8	0.1
80°-90°	0.2	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°	2157.3	97.4
0°-40°	2198.7	99.3
0°-60°	2209.2	99.8
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°	8222	
5°	8036	739
15°	4370	1151
25°	461	267
35°	50	41
45°	7	7
55°	4	3
65°	4	3
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8222.1
1°	8216.9
2°	8194.2
3°	8156.0
4°	8107.3
5°	8036.0
6°	7947.3
7°	7815.1
8°	7634.3
9°	7368.2
10°	7032.6
11°	6599.6
12°	6110.9
13°	5568.3
14°	4971.9
15°	4370.2
17.5°	2858.9
20°	1613.8
22.5°	824.3
25°	460.8
27.5°	283.5
30°	173.9
32.5°	93.9
35°	50.4
37.5°	33.0
40°	20.9
42.5°	12.2
45°	7.0
47.5°	5.2
50°	5.2
52.5°	3.5
55°	3.5
57.5°	3.5
60°	3.5
62.5°	3.5
65°	3.5
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)