

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: P1255321

Luminaire Tested: P3AS20R209035D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255321
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: P3AS20R209035D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

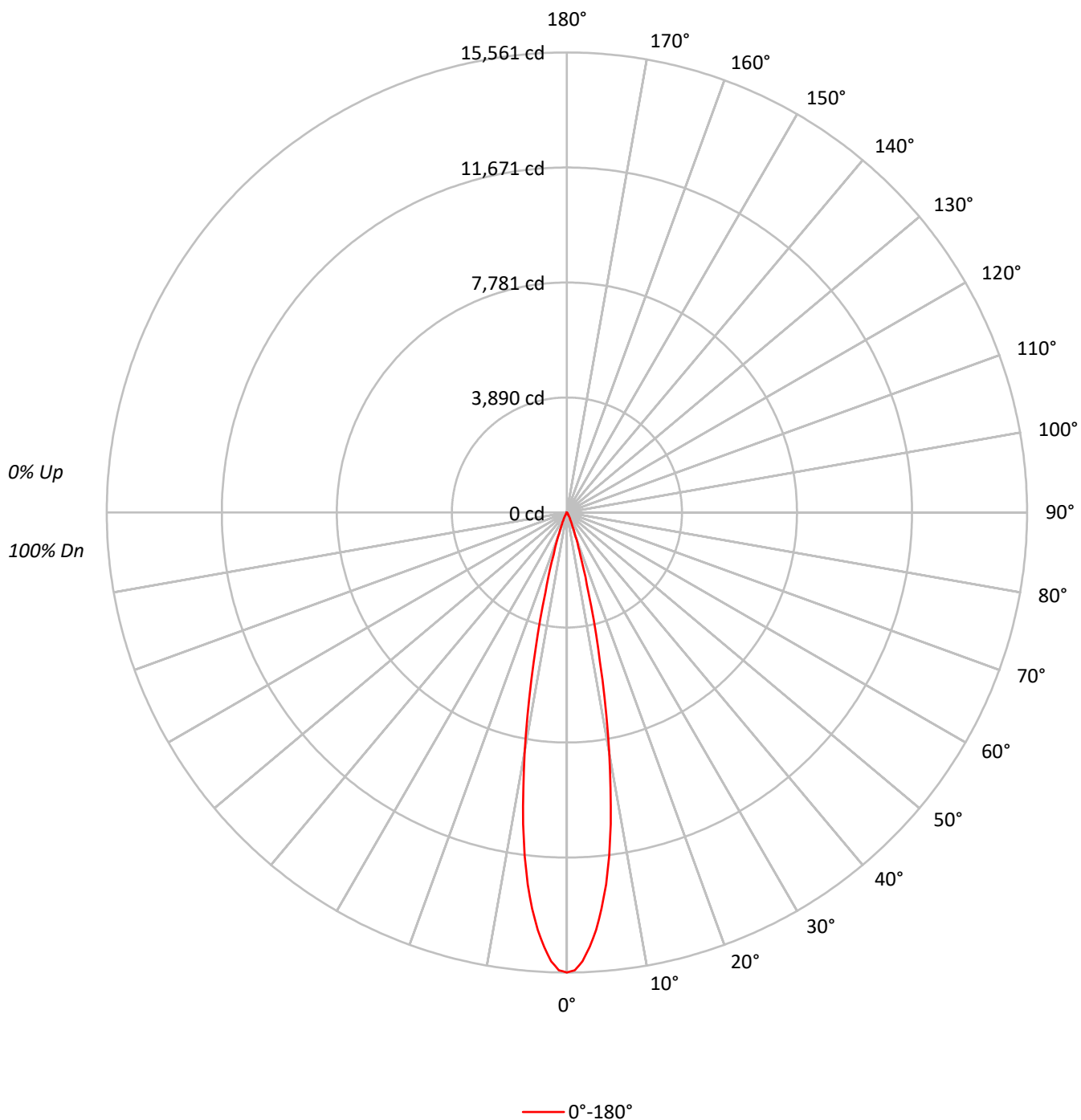
Lumens per Lamp: N/A
Luminaire Lumens: 2197.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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		
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98		
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	95		
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	93		
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	91		
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90		
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88		
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86		
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85		
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83		
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3412183
5°	2961670
10°	1830004
15°	635600
20°	195200
25°	69004
30°	25548
35°	10253
40°	5467
45°	2171
50°	1194
55°	1338
60°	1535
65°	882
70°	1090
75°	1440
80°	0
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°	1116.7	50.8
10°-20°	886.0	40.3
20°-30°	153.4	7.0
30°-40°	27.9	1.3
40°-50°	6.4	0.3
50°-60°	3.1	0.1
60°-70°	1.9	0.1
70°-80°	1.6	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°	2156.1	98.1
0°-40°	2184.0	99.4
0°-60°	2193.5	99.8
0°-90°	2197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15561	
5°	13455	###
15°	2800	886
25°	285	153
35°	38	28
45°	7	6
55°	4	3
65°	2	2
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15560.8
1°	15486.1
2°	15190.4
3°	14715.7
4°	14159.2
5°	13454.9
6°	12648.0
7°	11708.9
8°	10639.4
9°	9437.7
10°	8218.7
12.5°	5184.0
15°	2799.8
17.5°	1495.6
20°	836.5
22.5°	478.2
25°	285.2
27.5°	173.9
30°	100.9
32.5°	59.1
35°	38.3
37.5°	26.1
40°	19.1
42.5°	12.2
45°	7.0
47.5°	3.5
50°	3.5
52.5°	3.5
55°	3.5
57.5°	3.5
60°	3.5
62.5°	1.7
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
77.5°	1.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)