

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: P1252585

Luminaire Tested: P3AS20R159030D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159030D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

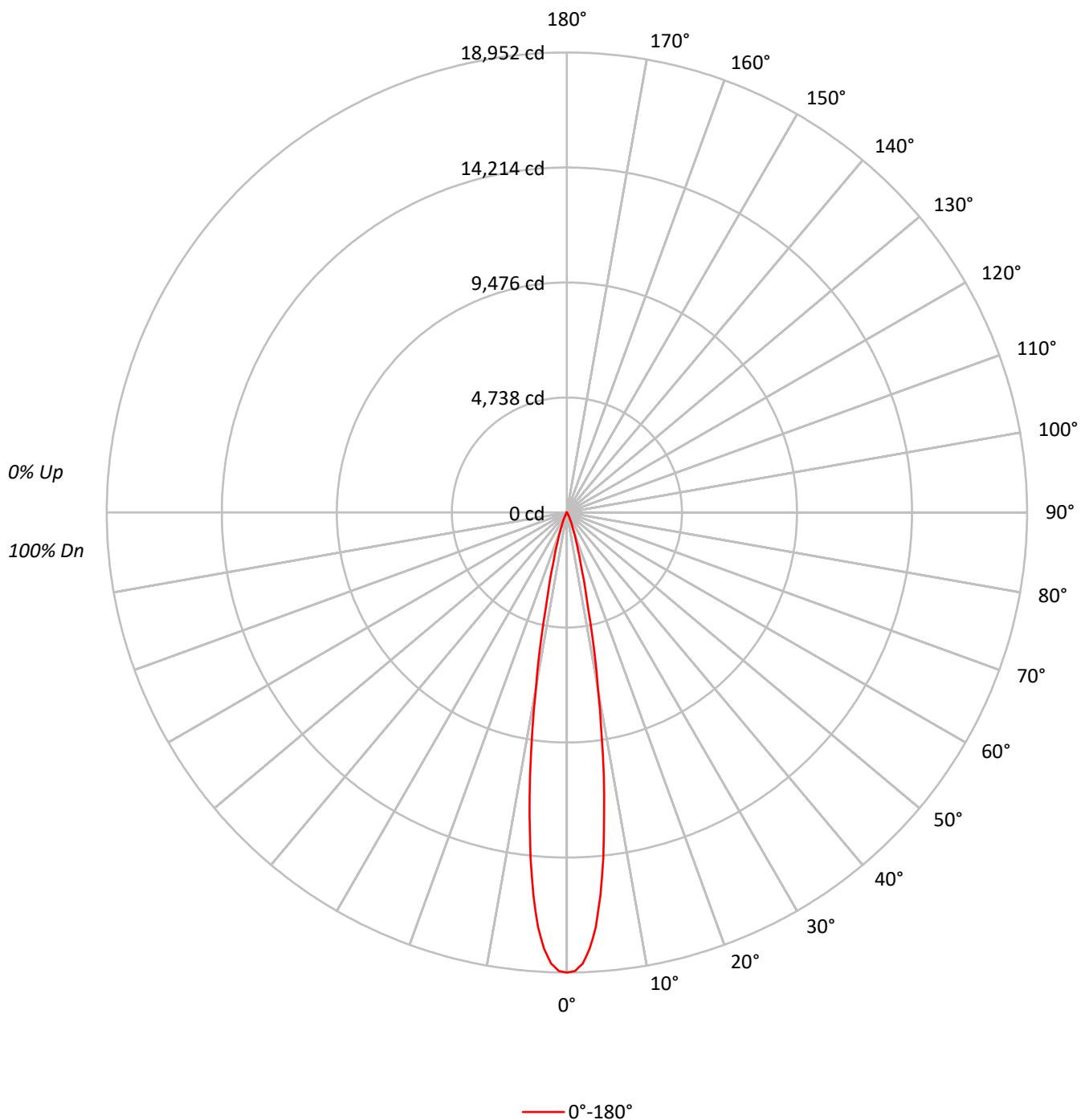
Lumens per Lamp: N/A
Luminaire Lumens: 2138.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91
9	97	92	89	87	97	92	89	86	91	88	86		90	88	86		90
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4155764
5°	3482932
10°	1640606
15°	494623
20°	183019
25°	71157
30°	26536
35°	8138
40°	2891
45°	1582
50°	1160
55°	1300
60°	1491
65°	882
70°	1090
75°	1440
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1223.3	57.2
10°-20°	727.1	34.0
20°-30°	152.7	7.1
30°-40°	24.6	1.2
40°-50°	4.2	0.2
50°-60°	3.1	0.1
60°-70°	1.9	0.1
70°-80°	1.1	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°	2103.2	98.4
0°-40°	2127.8	99.5
0°-60°	2135.0	99.9
0°-90°	2138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2138.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18952	
5°	15823	###
15°	2179	727
25°	294	153
35°	30	25
45°	5	4
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18951.8
1°	18892.6
2°	18591.7
3°	17990.0
4°	17107.7
5°	15823.0
6°	14313.6
7°	12587.8
8°	10939.7
9°	9073.6
10°	7368.1
12.5°	3975.6
15°	2178.8
17.5°	1276.2
20°	784.3
22.5°	480.0
25°	294.1
27.5°	177.5
30°	104.8
32.5°	59.2
35°	30.4
37.5°	16.9
40°	10.1
42.5°	6.8
45°	5.1
47.5°	3.4
50°	3.4
52.5°	3.4
55°	3.4
57.5°	3.4
60°	3.4
62.5°	1.7
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)