

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: P1257999

Luminaire Tested: P3AS20R159040D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257999
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: P3AS20R159040D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

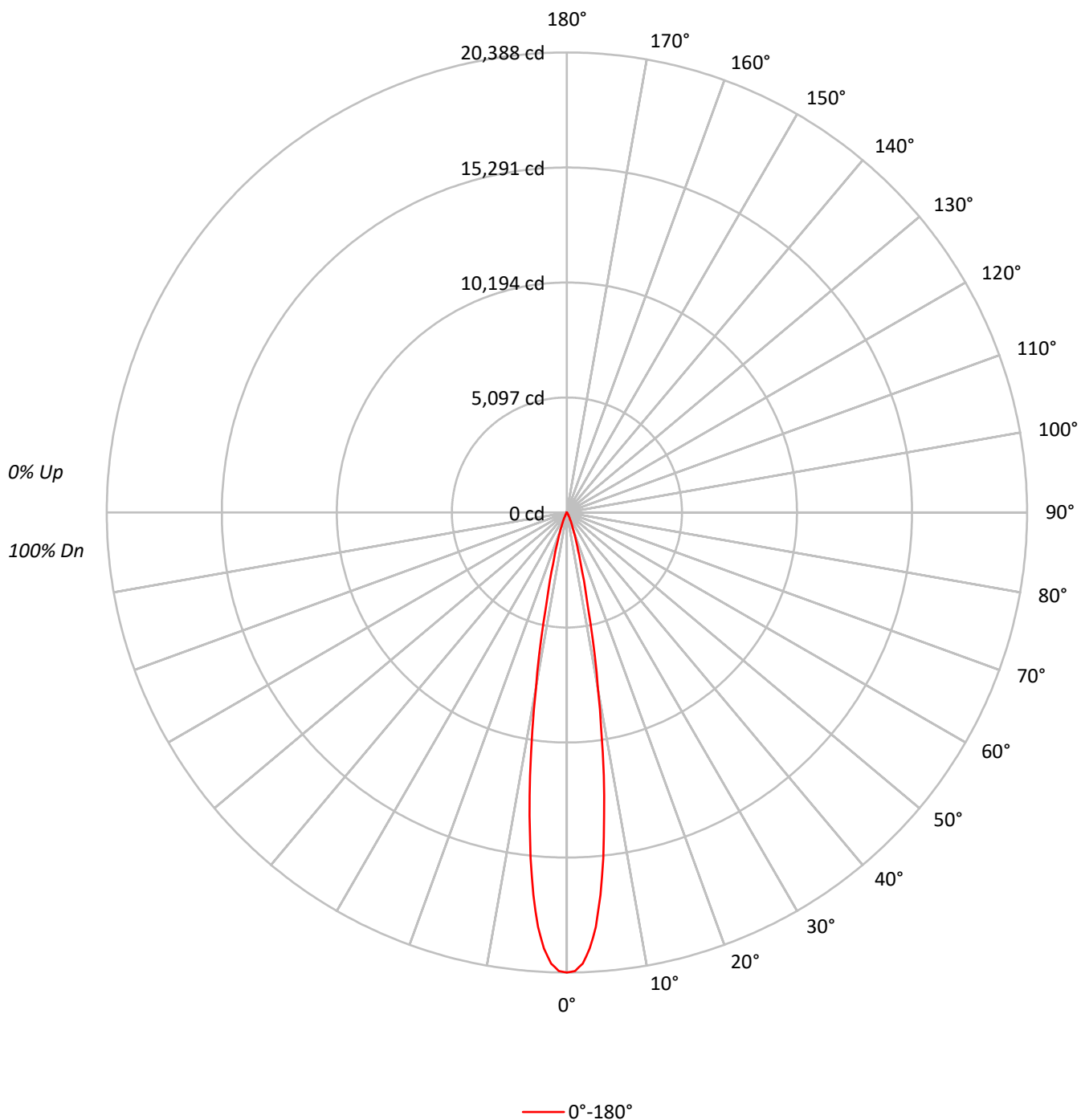
Lumens per Lamp: N/A
Luminaire Lumens: 2299.9 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1257999

CATALOG NUMBER: P3AS20R159040D010 E3CD1MW

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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	95	95	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	90	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	87	87	86
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	86	86	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	85	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4470651
5°	3746854
10°	1764919
15°	532103
20°	196880
25°	76553
30°	28536
35°	8754
40°	3120
45°	1706
50°	1228
55°	1376
60°	1579
65°	934
70°	1154
75°	1525
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1706 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1316.0	57.2
10°-20°	782.2	34.0
20°-30°	164.3	7.1
30°-40°	26.5	1.2
40°-50°	4.5	0.2
50°-60°	3.2	0.1
60°-70°	2.0	0.1
70°-80°	1.2	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°	2262.5	98.4
0°-40°	2289.0	99.5
0°-60°	2296.7	99.9
0°-90°	2299.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2299.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20388	
5°	17022	###
15°	2344	782
25°	316	164
35°	33	26
45°	6	5
55°	4	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20387.8
1°	20324.2
2°	20000.5
3°	19353.1
4°	18403.9
5°	17022.0
6°	15398.1
7°	13541.6
8°	11768.6
9°	9761.1
10°	7926.4
12.5°	4276.9
15°	2343.9
17.5°	1372.9
20°	843.7
22.5°	516.4
25°	316.4
27.5°	190.9
30°	112.7
32.5°	63.6
35°	32.7
37.5°	18.2
40°	10.9
42.5°	7.3
45°	5.5
47.5°	3.6
50°	3.6
52.5°	3.6
55°	3.6
57.5°	3.6
60°	3.6
62.5°	1.8
65°	1.8
67.5°	1.8
70°	1.8
72.5°	1.8
75°	1.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)