

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: P1255124

Luminaire Tested: P3AS17R459035DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R459035DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

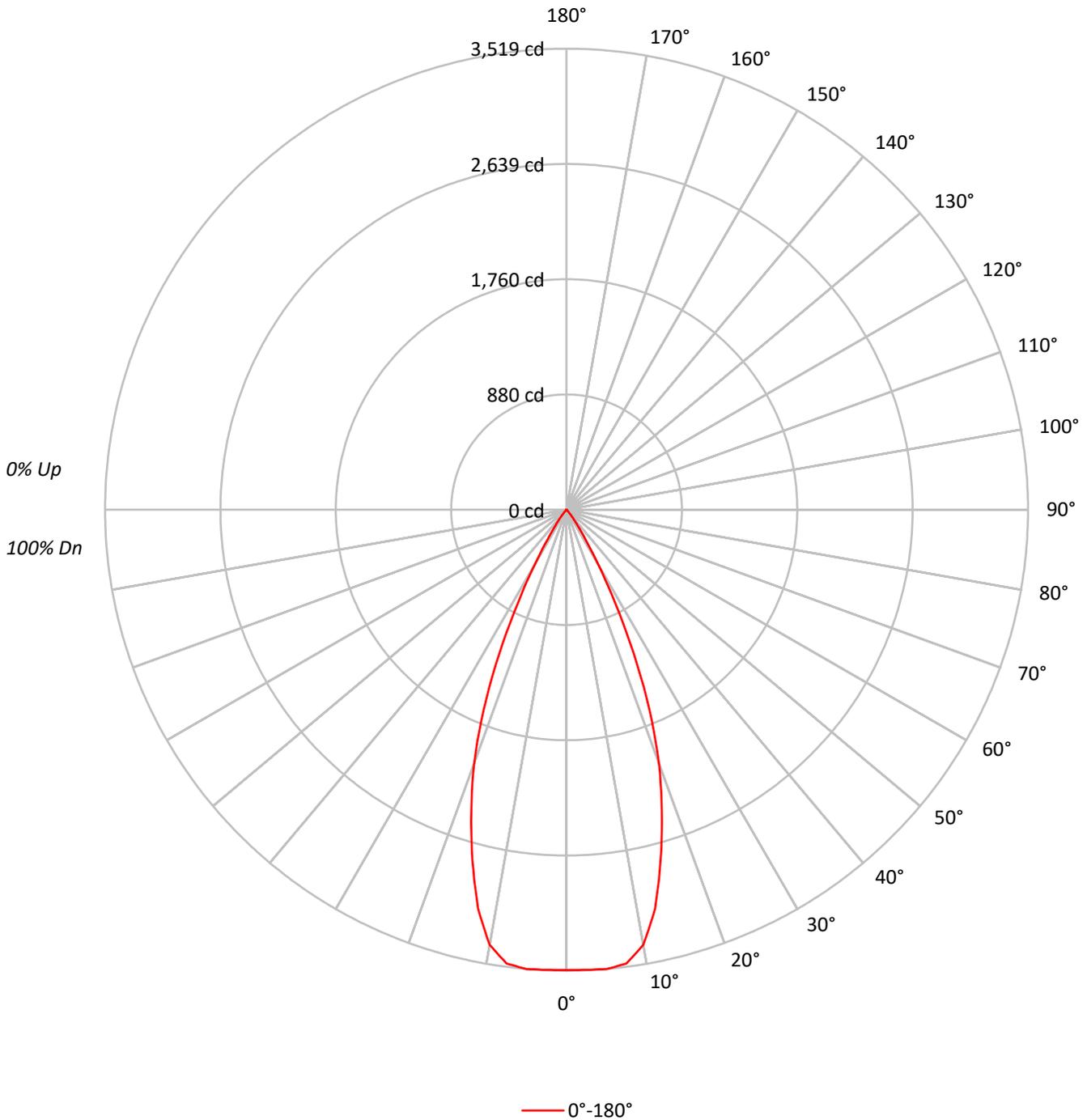
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1777.1 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98	97	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	94	92	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	92	90	88	86
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	88	86	84	82
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82	85	82	80	79
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	82	79	76	75
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	79	76	73	72
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72	76	73	70	69
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	73	70	67	66
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	71	67	65	64
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	770421
5°	774530
10°	750732
15°	629107
20°	480918
25°	292759
30°	121816
35°	39030
40°	12137
45°	2481
50°	1808
55°	2026
60°	1754
65°	2075
70°	1731
75°	2288
80°	1642
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2481 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.8	18.7
10°-20°	761.7	42.9
20°-30°	548.4	30.9
30°-40°	114.1	6.4
40°-50°	10.4	0.6
50°-60°	4.3	0.2
60°-70°	3.5	0.2
70°-80°	2.3	0.1
80°-90°	0.5	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°	1641.9	92.4
0°-40°	1756.0	98.8
0°-60°	1770.8	99.6
0°-90°	1777.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1777.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3513	
5°	3519	332
15°	2771	762
25°	1210	548
35°	146	114
45°	8	10
55°	5	4
65°	4	3
75°	3	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3513.4
2.5°	3514.8
5°	3518.7
7.5°	3493.5
10°	3371.6
12.5°	3117.2
15°	2771.2
17.5°	2417.4
20°	2060.9
22.5°	1651.4
25°	1210.0
27.5°	797.8
30°	481.1
32.5°	269.0
35°	145.8
37.5°	82.2
40°	42.4
42.5°	18.6
45°	8.0
47.5°	5.3
50°	5.3
52.5°	5.3
55°	5.3
57.5°	4.0
60°	4.0
62.5°	4.0
65°	4.0
67.5°	2.7
70°	2.7
72.5°	2.7
75°	2.7
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)