

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: P1258185

Luminaire Tested: P3AS20R459040D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459040D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

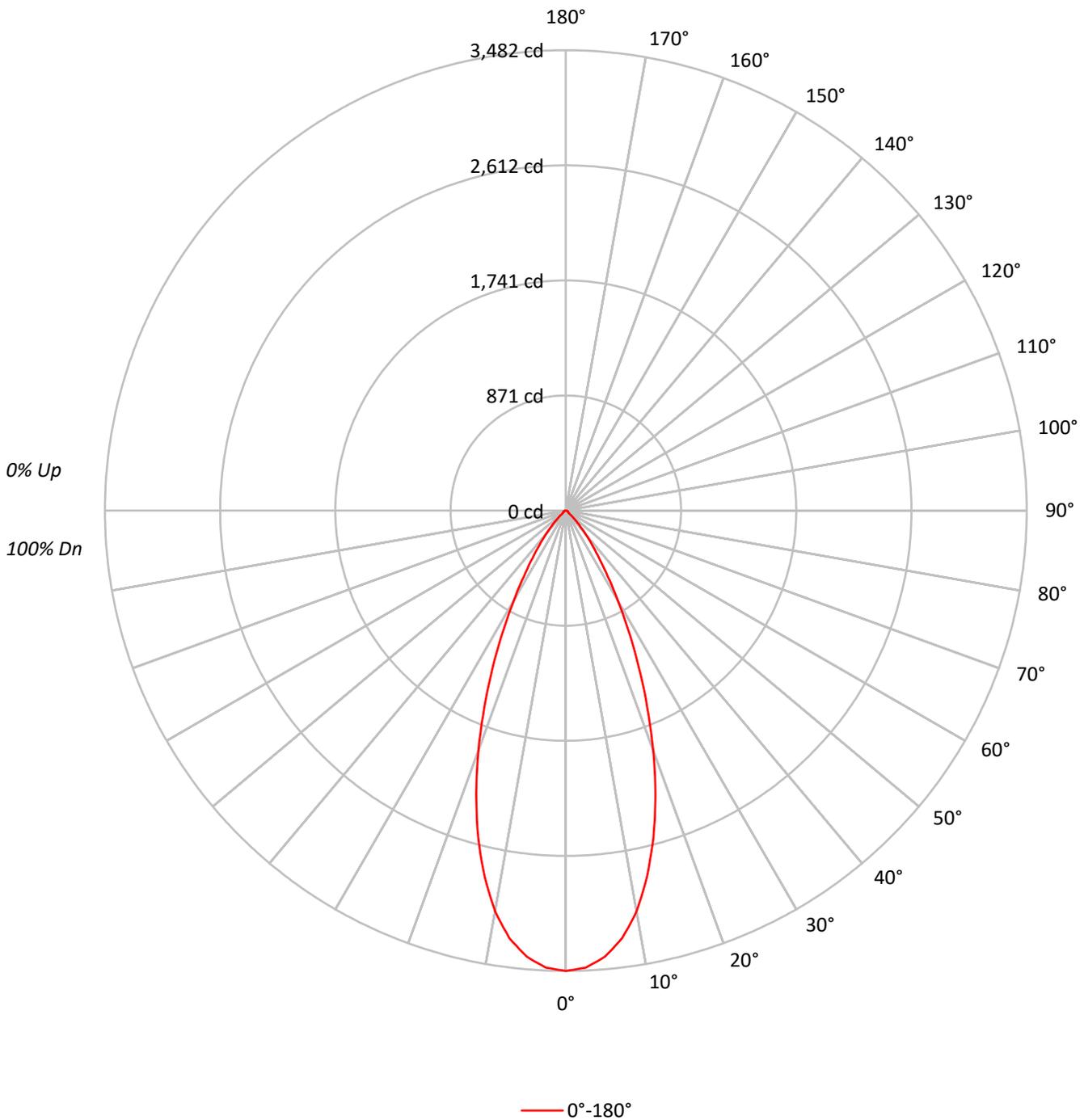
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
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				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				100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88				88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83				83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78				78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74				74
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70				70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66				66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62				62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59				59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57				57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	763470
5°	745563
10°	685358
15°	580730
20°	450559
25°	314970
30°	198410
35°	116794
40°	66095
45°	32127
50°	11155
55°	9022
60°	8771
65°	8509
70°	8142
75°	7710
80°	6945
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32127 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.5	15.4
10°-20°	702.5	34.6
20°-30°	596.5	29.3
30°-40°	284.6	14.0
40°-50°	85.7	4.2
50°-60°	21.7	1.1
60°-70°	16.2	0.8
70°-80°	9.6	0.5
80°-90°	2.7	0.1
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°	1612.5	79.3
0°-40°	1897.1	93.3
0°-60°	2004.5	98.6
0°-90°	2033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2033.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3482	
5°	3387	314
15°	2558	702
25°	1302	597
35°	436	285
45°	104	86
55°	24	22
65°	16	16
75°	9	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3481.7
2.5°	3459.8
5°	3387.1
7.5°	3261.7
10°	3078.0
12.5°	2834.4
15°	2558.1
17.5°	2250.8
20°	1930.8
22.5°	1605.4
25°	1301.8
27.5°	1025.4
30°	783.6
32.5°	589.1
35°	436.3
37.5°	321.8
40°	230.9
42.5°	160.0
45°	103.6
47.5°	58.2
50°	32.7
52.5°	25.5
55°	23.6
57.5°	21.8
60°	20.0
62.5°	18.2
65°	16.4
67.5°	14.5
70°	12.7
72.5°	10.9
75°	9.1
77.5°	7.3
80°	5.5
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)