

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: P1252769

Luminaire Tested: P3AS20R459030D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252769
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: P3AS20R459030D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

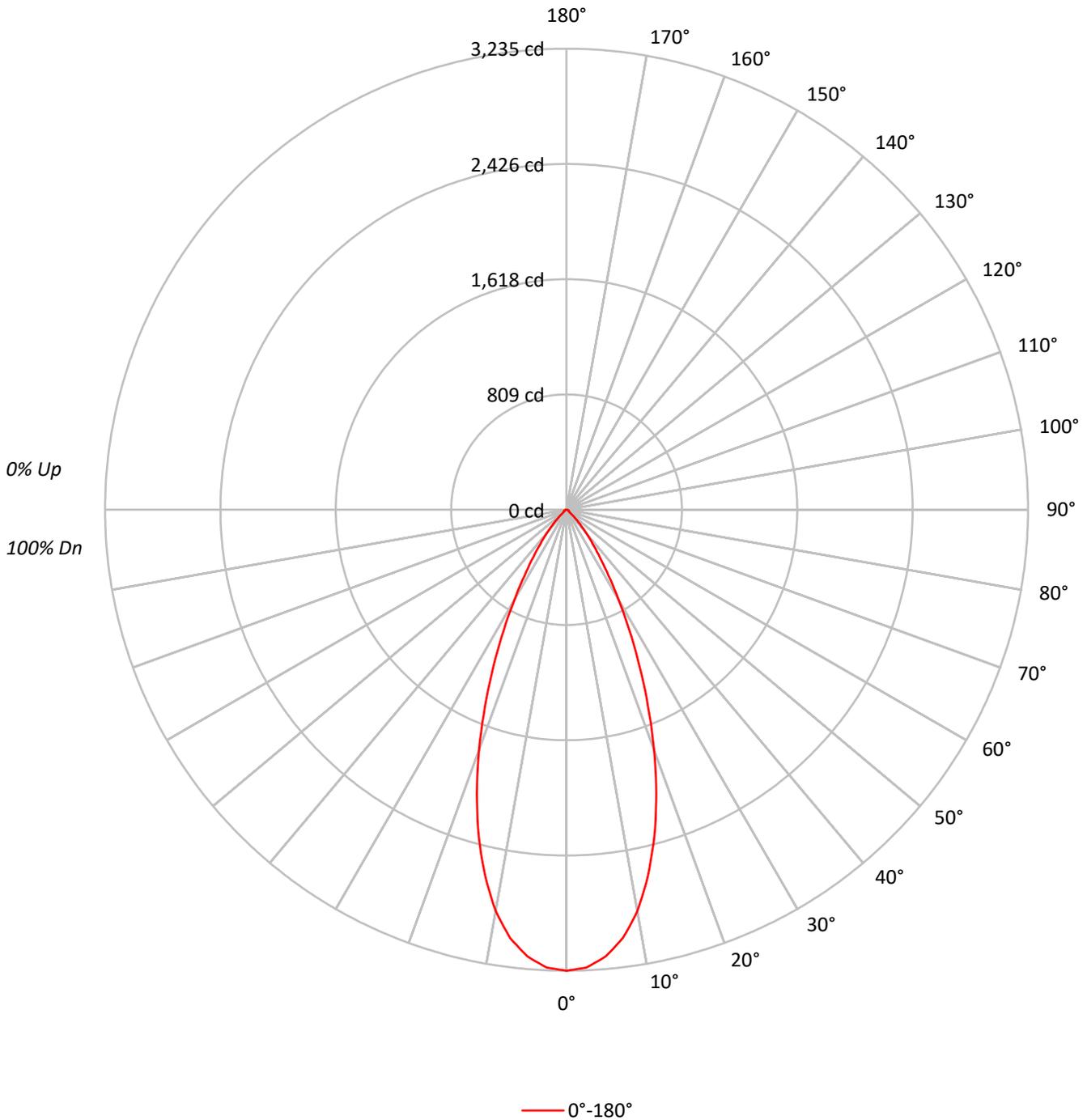
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1889.0 lumens
Efficiency: N/A
Efficacy: 65.6 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				
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			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62			
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709395
5°	692756
10°	636817
15°	539594
20°	418660
25°	292662
30°	184357
35°	108522
40°	61401
45°	29864
50°	10371
55°	8411
60°	8157
65°	7887
70°	7565
75°	7117
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	15.4
10°-20°	652.7	34.6
20°-30°	554.3	29.3
30°-40°	264.4	14.0
40°-50°	79.6	4.2
50°-60°	20.2	1.1
60°-70°	15.0	0.8
70°-80°	8.9	0.5
80°-90°	2.5	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°	1498.3	79.3
0°-40°	1762.7	93.3
0°-60°	1862.6	98.6
0°-90°	1889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1889.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3235	
5°	3147	291
15°	2377	653
25°	1210	554
35°	405	264
45°	96	80
55°	22	20
65°	15	15
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3235.1
2.5°	3214.8
5°	3147.2
7.5°	3030.6
10°	2860.0
12.5°	2633.7
15°	2376.9
17.5°	2091.4
20°	1794.1
22.5°	1491.7
25°	1209.6
27.5°	952.8
30°	728.1
32.5°	547.3
35°	405.4
37.5°	299.0
40°	214.5
42.5°	148.7
45°	96.3
47.5°	54.1
50°	30.4
52.5°	23.7
55°	22.0
57.5°	20.3
60°	18.6
62.5°	16.9
65°	15.2
67.5°	13.5
70°	11.8
72.5°	10.1
75°	8.4
77.5°	6.8
80°	5.1
82.5°	3.4
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)