

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: P1258224

Luminaire Tested: P3AS20R509040D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509040D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

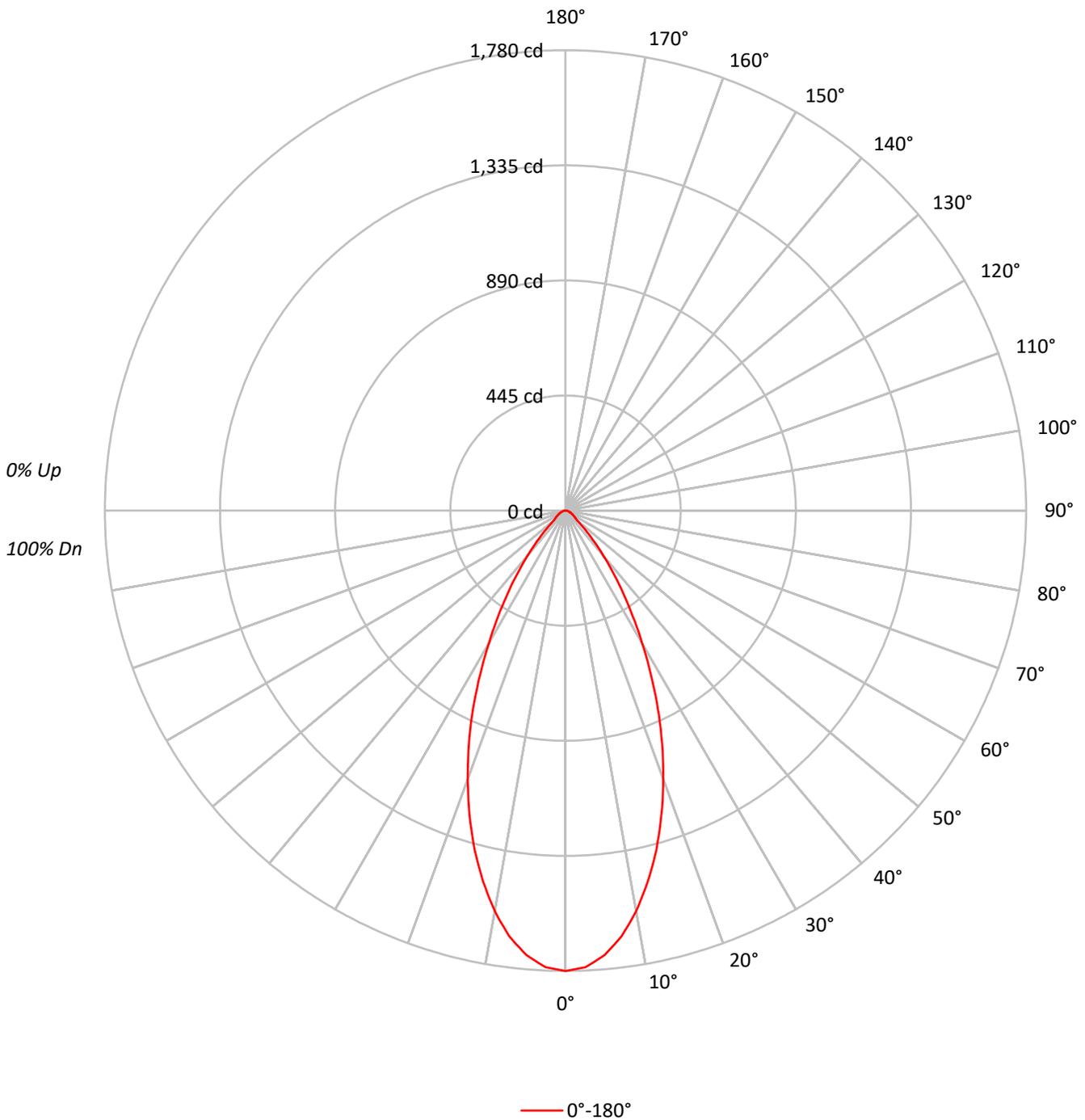
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1342.0 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
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	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79	79	79	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73	73	73	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68	68	68	68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64	64	64	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60	60	60	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56	56	56	56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53	53	53	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50	50	50	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	390320
5°	379814
10°	350227
15°	308015
20°	257692
25°	204351
30°	149922
35°	103088
40°	65523
45°	36624
50°	19820
55°	16668
60°	14341
65°	13179
70°	11669
75°	10760
80°	9218
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36624 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	11.9
10°-20°	375.8	28.0
20°-30°	384.4	28.6
30°-40°	243.7	18.2
40°-50°	97.0	7.2
50°-60°	39.3	2.9
60°-70°	25.2	1.9
70°-80°	12.9	1.0
80°-90°	3.9	0.3
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°	920.0	68.6
0°-40°	1163.7	86.7
0°-60°	1300.0	96.9
0°-90°	1342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1342.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1780	
5°	1726	160
15°	1357	376
25°	845	384
35°	385	244
45°	118	97
55°	44	39
65°	25	25
75°	13	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1780.0
2.5°	1767.3
5°	1725.5
7.5°	1660.1
10°	1572.9
12.5°	1469.4
15°	1356.8
17.5°	1233.3
20°	1104.3
22.5°	975.4
25°	844.6
27.5°	713.8
30°	592.1
32.5°	483.1
35°	385.1
37.5°	301.5
40°	228.9
42.5°	168.9
45°	118.1
47.5°	79.9
50°	58.1
52.5°	49.0
55°	43.6
57.5°	38.1
60°	32.7
62.5°	29.1
65°	25.4
67.5°	21.8
70°	18.2
72.5°	14.5
75°	12.7
77.5°	9.1
80°	7.3
82.5°	5.4
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)