

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: P1271391

Luminaire Tested: P3AS05R559827DE010 E3CB1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R559827DE010 E3CB1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3CB1MMS TRIM
Light Source: -
Ballast/Driver: -

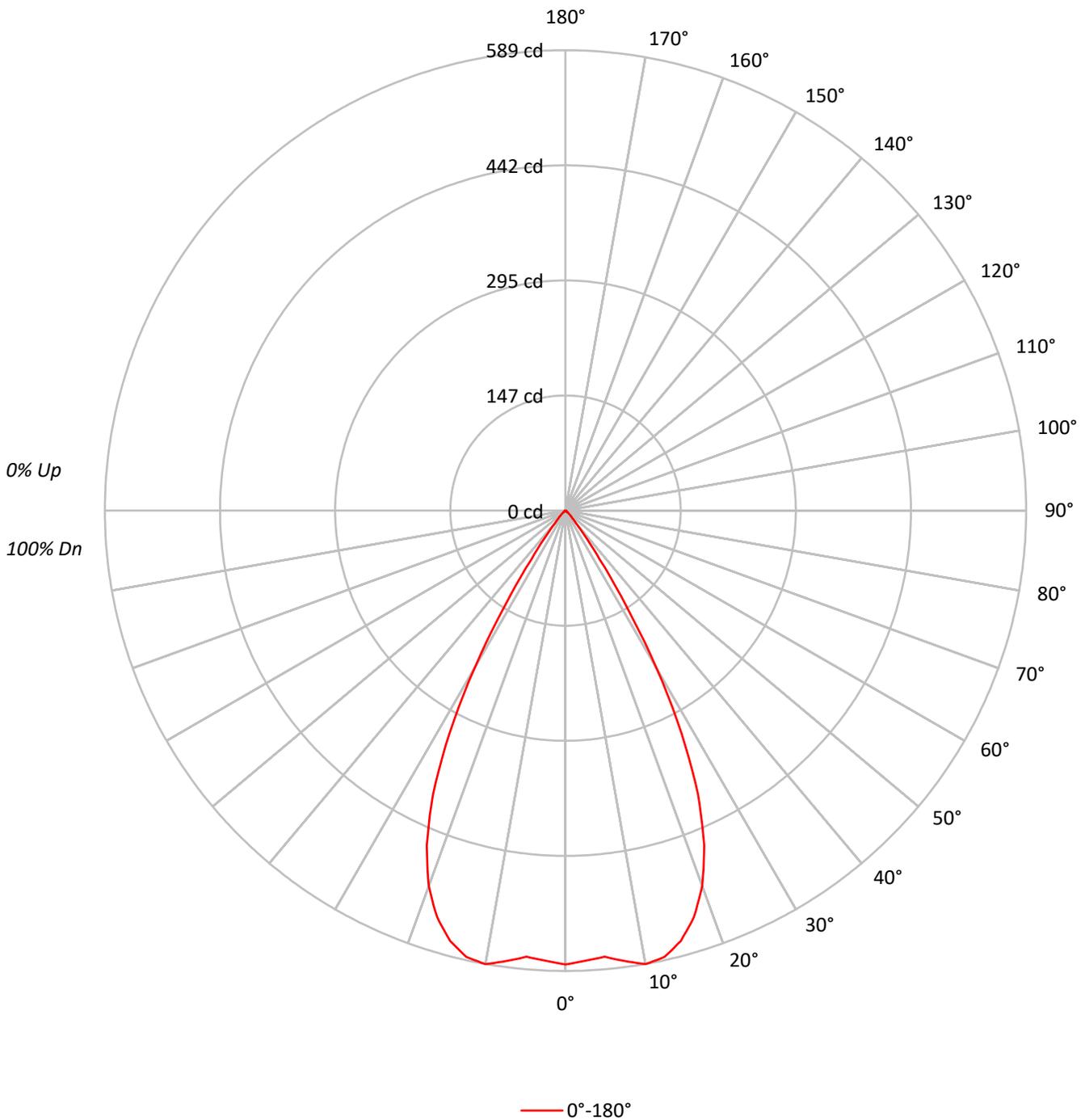
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				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	112	109	107	105	105	104	102	101	100	99	98	97	96	94				94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89				89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84				84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79				79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74				74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70				70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66				66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63				63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60				60
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°	127314
5°	126128
10°	131193
15°	129376
20°	119290
25°	97070
30°	58946
35°	20398
40°	5840
45°	2791
50°	1160
55°	535
60°	614
65°	519
70°	449
75°	593
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2791 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	12.1
10°-20°	158.4	34.5
20°-30°	176.6	38.5
30°-40°	57.8	12.6
40°-50°	7.6	1.7
50°-60°	1.6	0.4
60°-70°	0.9	0.2
70°-80°	0.6	0.1
80°-90°	0.1	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°	390.3	85.0
0°-40°	448.1	97.6
0°-60°	457.3	99.6
0°-90°	459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	459.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	581	
5°	573	55
15°	570	158
25°	401	177
35°	76	58
45°	9	8
55°	1	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	580.6
2.5°	576.4
5°	573.0
7.5°	581.3
10°	589.2
12.5°	585.0
15°	569.9
17.5°	545.7
20°	511.2
22.5°	463.6
25°	401.2
27.5°	321.8
30°	232.8
32.5°	142.8
35°	76.2
37.5°	38.6
40°	20.4
42.5°	13.1
45°	9.0
47.5°	6.2
50°	3.4
52.5°	2.1
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.0
65°	1.0
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.3
80°	0.3
82.5°	0.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)