

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: P1246183

Luminaire Tested: P3A05R459024DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246183
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: P3A05R459024DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

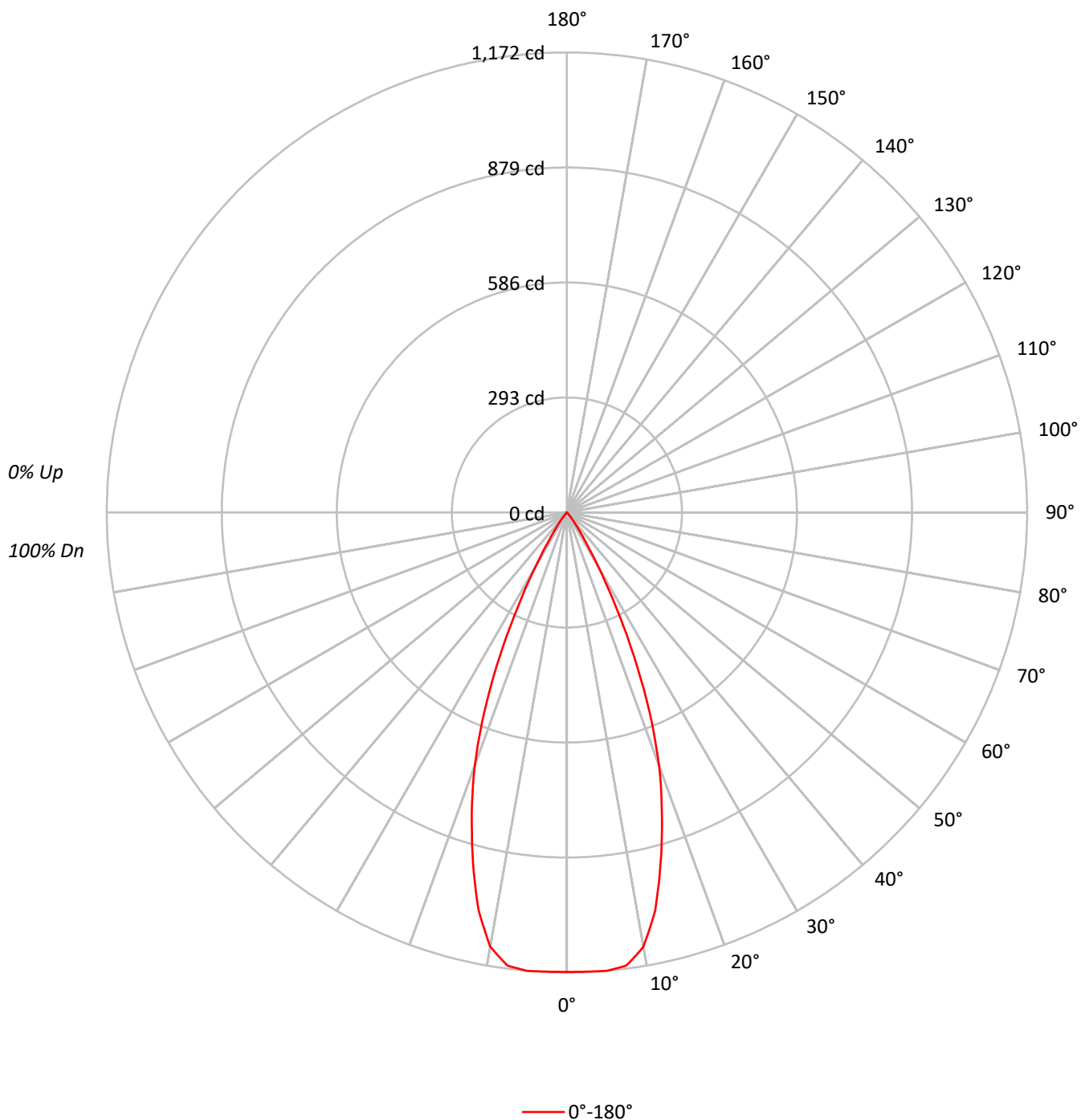
Lumens per Lamp: N/A
Luminaire Lumens: 592.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256668
5°	258023
10°	250096
15°	209581
20°	160221
25°	97530
30°	40589
35°	13010
40°	4036
45°	806
50°	614
55°	688
60°	570
65°	675
70°	577
75°	763
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	18.7
10°-20°	253.7	42.9
20°-30°	182.7	30.9
30°-40°	38.0	6.4
40°-50°	3.5	0.6
50°-60°	1.4	0.2
60°-70°	1.1	0.2
70°-80°	0.8	0.1
80°-90°	0.2	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°	547.0	92.4
0°-40°	585.0	98.8
0°-60°	589.9	99.7
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1170	
5°	1172	111
15°	923	254
25°	403	183
35°	49	38
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1170.5
2.5°	1170.9
5°	1172.2
7.5°	1163.9
10°	1123.2
12.5°	1038.5
15°	923.2
17.5°	805.3
20°	686.6
22.5°	550.1
25°	403.1
27.5°	265.8
30°	160.3
32.5°	89.6
35°	48.6
37.5°	27.4
40°	14.1
42.5°	6.2
45°	2.6
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)