

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: P1256701

Luminaire Tested: P3AS05R509040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

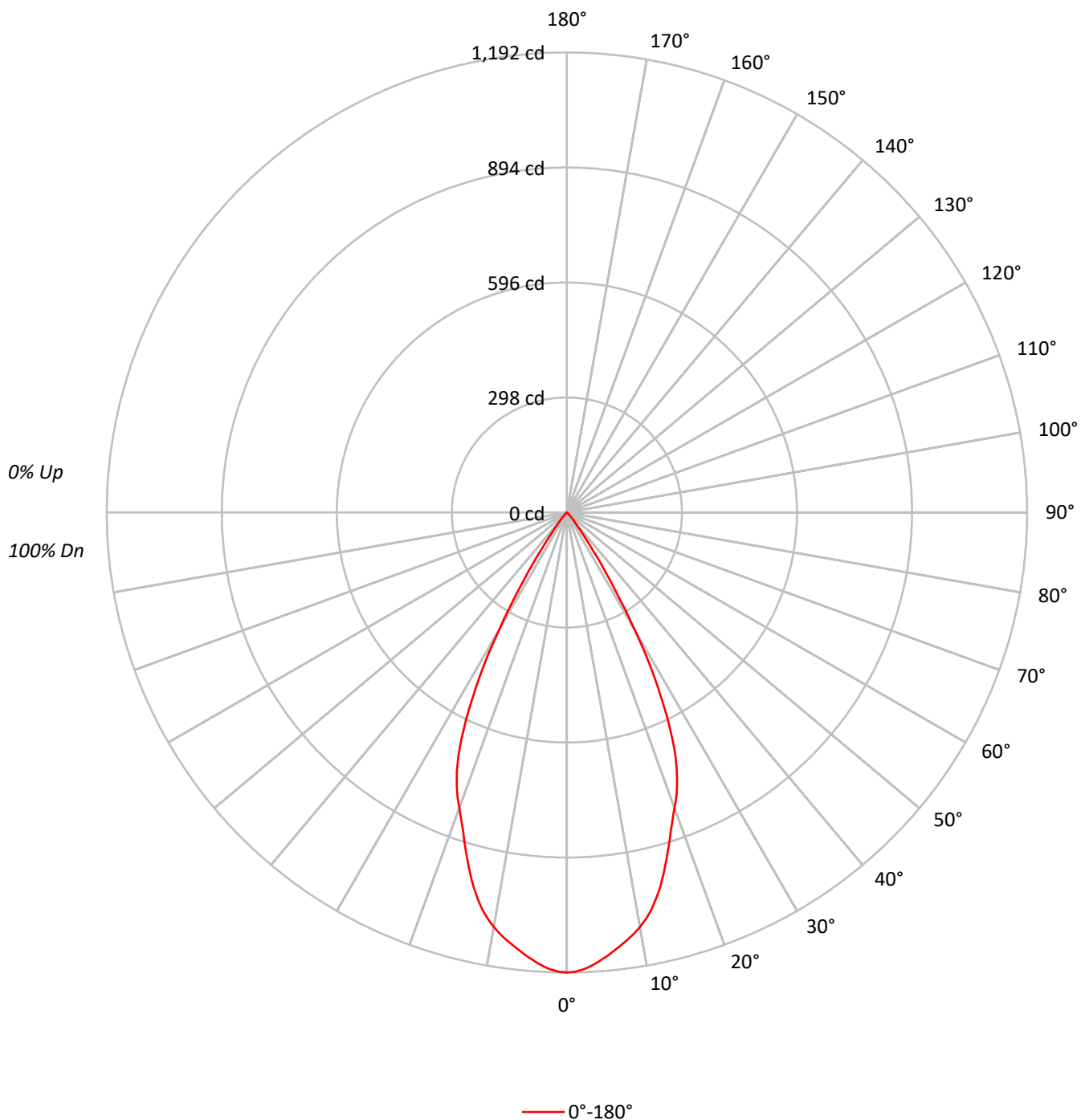
Lumens per Lamp: N/A
Luminaire Lumens: 748.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	261404
5°	254435
10°	242814
15°	219820
20°	190160
25°	155985
30°	89609
35°	27840
40°	7471
45°	2605
50°	614
55°	191
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	14.5
10°-20°	268.3	35.9
20°-30°	282.0	37.7
30°-40°	80.7	10.8
40°-50°	7.9	1.1
50°-60°	0.6	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	658.5	88.0
0°-40°	739.3	98.8
0°-60°	747.8	100.0
0°-90°	748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	748.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1192	
5°	1156	108
15°	968	268
25°	645	282
35°	104	81
45°	8	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1192.1
1°	1190.2
2°	1184.9
3°	1177.3
4°	1167.0
5°	1155.9
6°	1144.0
7°	1131.4
8°	1119.5
9°	1105.8
10°	1090.5
11°	1072.8
12°	1052.5
13°	1027.1
14°	999.7
15°	968.3
16°	935.0
17°	902.8
18°	869.8
19°	840.8
20°	814.9
21°	790.1
22°	761.9
23°	729.4
24°	691.4
25°	644.7
26°	594.1
27°	537.6
28°	481.4
29°	420.7
30°	353.9
31°	291.4
32°	233.8
32.5°	208.7
33°	183.4
34°	140.7
35°	104.0
36°	76.3
37°	56.7
37.5°	49.1
38°	42.5
39°	33.0
40°	26.1
42.5°	14.8
45°	8.4

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	4.8
50°	1.8
52.5°	0.8
55°	0.5
57.5°	0.5
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)