

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: P1257487

Luminaire Tested: P3AS13R509040DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257487
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: P3AS13R509040DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

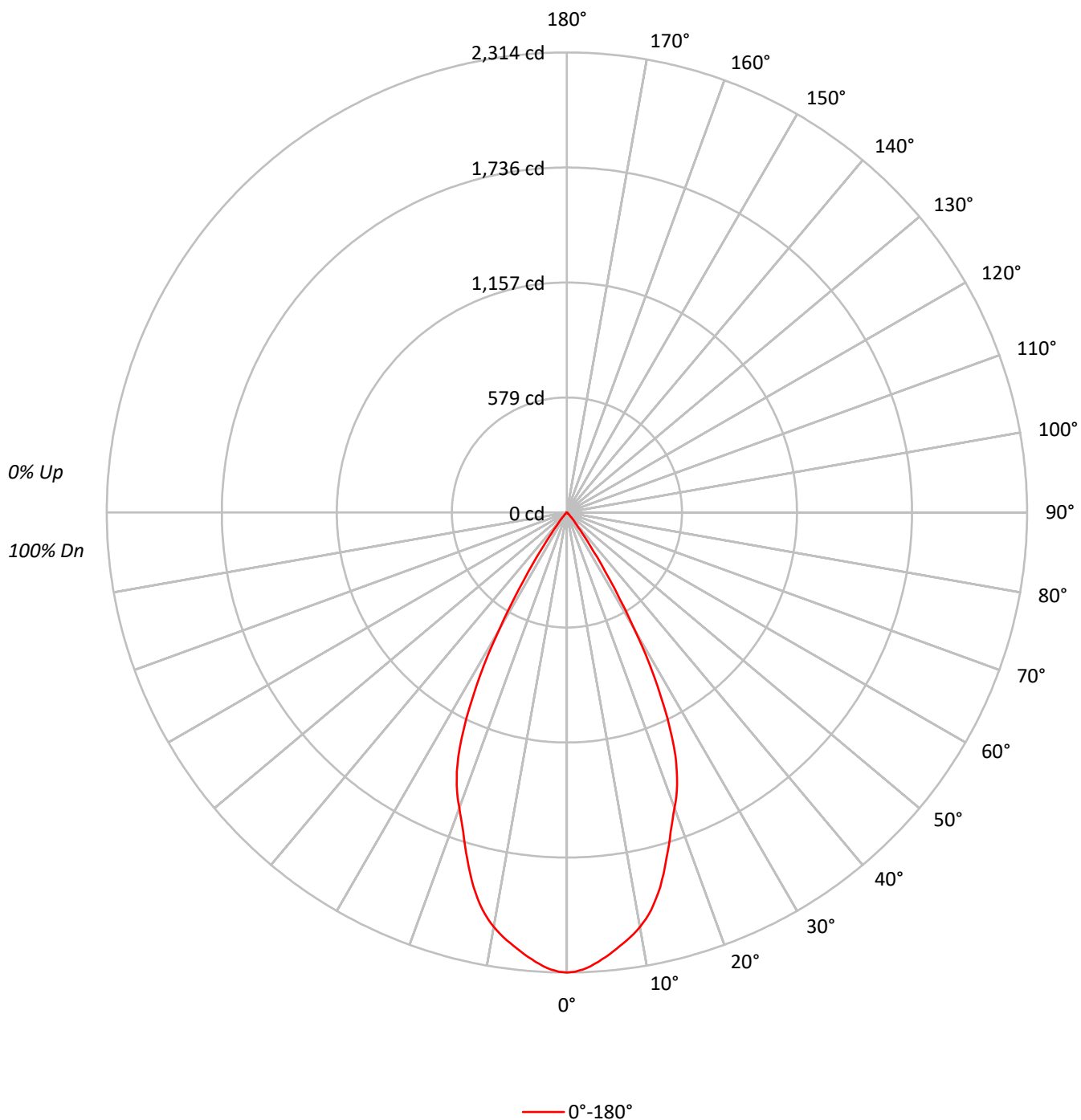
Lumens per Lamp: N/A
Luminaire Lumens: 1452.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	507415
5°	493901
10°	471334
15°	426699
20°	369142
25°	302800
30°	173951
35°	54020
40°	14513
45°	5086
50°	1228
55°	382
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.2	14.5
10°-20°	520.8	35.9
20°-30°	547.4	37.7
30°-40°	156.7	10.8
40°-50°	15.3	1.1
50°-60°	1.2	0.1
60°-70°	0.4	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°	1278.3	88.0
0°-40°	1435.0	98.8
0°-60°	1451.5	100.0
0°-90°	1452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1452.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2314	
5°	2244	210
15°	1880	521
25°	1252	547
35°	202	157
45°	16	15
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2314.0
1°	2310.4
2°	2300.2
3°	2285.3
4°	2265.3
5°	2243.8
6°	2220.8
7°	2196.2
8°	2173.1
9°	2146.5
10°	2116.8
11°	2082.4
12°	2043.0
13°	1993.8
14°	1940.5
15°	1879.6
16°	1815.0
17°	1752.5
18°	1688.5
19°	1632.1
20°	1581.9
21°	1533.8
22°	1479.0
23°	1416.0
24°	1342.2
25°	1251.5
26°	1153.2
27°	1043.5
28°	934.4
29°	816.6
30°	687.0
31°	565.6
32°	453.9
32.5°	405.2
33°	356.0
34°	273.0
35°	201.8
36°	148.1
37°	110.1
37.5°	95.3
38°	82.5
39°	64.0
40°	50.7
42.5°	28.7
45°	16.4



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.2
50°	3.6
52.5°	1.5
55°	1.0
57.5°	1.0
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
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)