

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: P1257491

Luminaire Tested: P3AS13R509040DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R509040DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

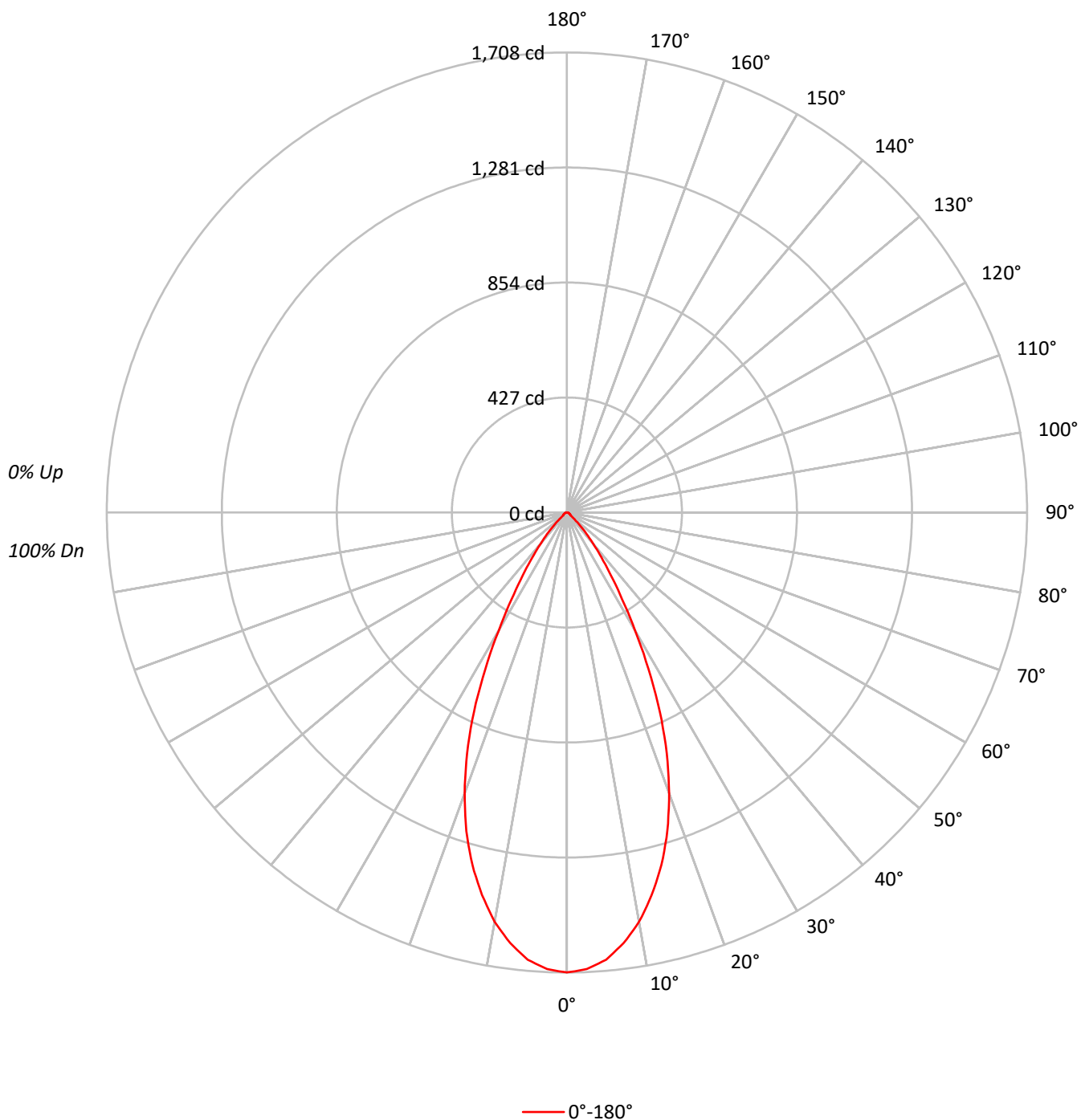
Lumens per Lamp: N/A
Luminaire Lumens: 1175.9 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1257491

CATALOG NUMBER: P3AS13R509040DE010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1257491

CATALOG NUMBER: P3AS13R509040DE010 E3DL1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					30					10					0
RW	70	50	30	10	70	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
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95			94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78			76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73			72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69			67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65			64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58			57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	374422
5°	366871
10°	343636
15°	307629
20°	258883
25°	197576
30°	128400
35°	76132
40°	43997
45°	22049
50°	8187
55°	6384
60°	5964
65°	5448
70°	5386
75°	5338
80°	5304
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22049 cd/sqm

TEST NUMBER: P1257491

CATALOG NUMBER: P3AS13R509040DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	13.2
10°-20°	374.7	31.9
20°-30°	367.6	31.3
30°-40°	185.2	15.8
40°-50°	58.5	5.0
50°-60°	15.2	1.3
60°-70°	10.7	0.9
70°-80°	6.6	0.6
80°-90°	2.3	0.2
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°	897.4	76.3
0°-40°	1082.7	92.1
0°-60°	1156.3	98.3
0°-90°	1175.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1175.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1708	
5°	1667	155
15°	1355	375
25°	817	368
35°	284	185
45°	71	59
55°	17	15
65°	10	11
75°	6	7
85°	2	2
90°	0	

TEST NUMBER: P1257491

CATALOG NUMBER: P3AS13R509040DE010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1707.5
2.5°	1697.0
5°	1666.7
7.5°	1612.3
10°	1543.3
12.5°	1454.4
15°	1355.1
17.5°	1240.1
20°	1109.4
22.5°	968.2
25°	816.6
27.5°	655.6
30°	507.1
32.5°	381.6
35°	284.4
37.5°	210.2
40°	153.7
42.5°	108.7
45°	71.1
47.5°	40.8
50°	24.0
52.5°	17.8
55°	16.7
57.5°	14.6
60°	13.6
62.5°	12.5
65°	10.5
67.5°	9.4
70°	8.4
72.5°	7.3
75°	6.3
77.5°	5.2
80°	4.2
82.5°	3.1
85°	2.1
87.5°	1.0
90°	0.0

(END OF REPORT)