

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: P1257485

Luminaire Tested: P3AS13R509040DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R509040DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

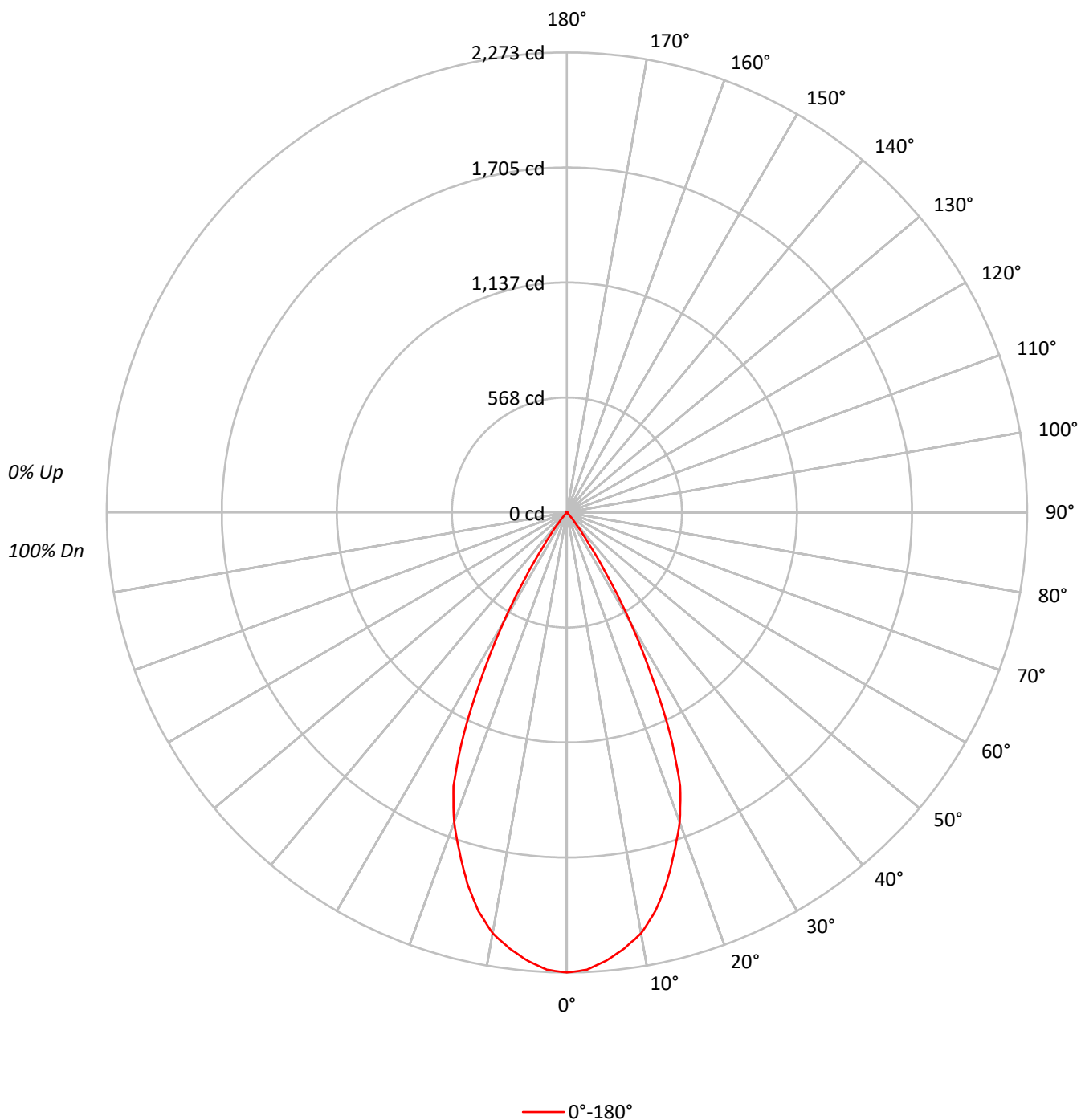
Lumens per Lamp: N/A
Luminaire Lumens: 1430.9 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1257485

CATALOG NUMBER: P3AS13R509040DE010 E3D1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1257485

CATALOG NUMBER: P3AS13R509040DE010 E3D1MW

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	109	107	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	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	498381
5°	489455
10°	469976
15°	430945
20°	380016
25°	291259
30°	158379
35°	50969
40°	11965
45°	1613
50°	1433
55°	1606
60°	1360
65°	1608
70°	1346
75°	1779
80°	1263
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 2516 cd/sqm

TEST NUMBER: P1257485

CATALOG NUMBER: P3AS13R509040DE010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	14.6
10°-20°	527.7	36.9
20°-30°	528.5	36.9
30°-40°	148.6	10.4
40°-50°	9.0	0.6
50°-60°	3.4	0.2
60°-70°	2.7	0.2
70°-80°	1.8	0.1
80°-90°	0.7	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°	1264.8	88.4
0°-40°	1413.4	98.8
0°-60°	1425.8	99.6
0°-90°	1430.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1430.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2273	
5°	2224	209
15°	1898	528
25°	1204	528
35°	190	149
45°	5	9
55°	4	3
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P1257485

CATALOG NUMBER: P3AS13R509040DE010 E3D1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2272.8
2.5°	2261.3
5°	2223.6
7.5°	2172.4
10°	2110.7
12.5°	2017.6
15°	1898.3
17.5°	1761.3
20°	1628.5
22.5°	1463.2
25°	1203.8
27.5°	896.3
30°	625.5
32.5°	377.6
35°	190.4
37.5°	89.9
40°	41.8
42.5°	15.7
45°	5.2
47.5°	4.2
50°	4.2
52.5°	4.2
55°	4.2
57.5°	3.1
60°	3.1
62.5°	3.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)