

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: P1257106

Luminaire Tested: P3AS09R559040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R559040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

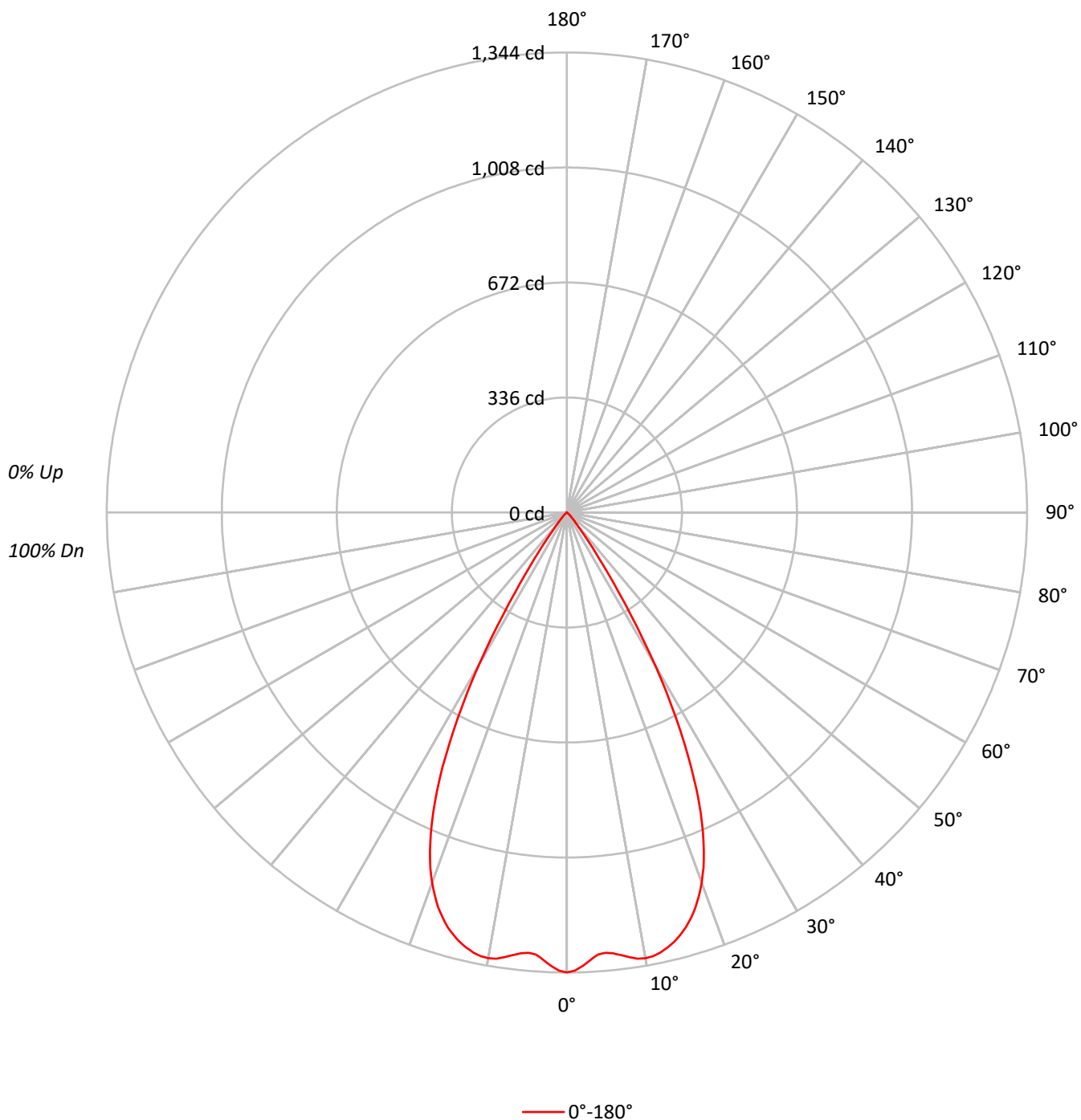
Lumens per Lamp: N/A
Luminaire Lumens: 1016.0 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1257106

CATALOG NUMBER: P3AS09R559040DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1257106

CATALOG NUMBER: P3AS09R559040DE010 E3D1LI

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	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	294626
5°	284195
10°	294361
15°	290217
20°	268590
25°	217222
30°	130172
35°	44116
40°	12166
45°	5396
50°	1569
55°	306
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5396 cd/sqm

TEST NUMBER: P1257106

CATALOG NUMBER: P3AS09R559040DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	12.3
10°-20°	355.9	35.0
20°-30°	395.6	38.9
30°-40°	123.2	12.1
40°-50°	14.8	1.5
50°-60°	1.1	0.1
60°-70°	0.4	0.0
70°-80°	0.1	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°	876.5	86.3
0°-40°	999.6	98.4
0°-60°	1015.6	100.0
0°-90°	1016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1016.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1344	
5°	1291	125
15°	1278	356
25°	898	396
35°	165	123
45°	17	15
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1257106

CATALOG NUMBER: P3AS09R559040DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1343.6
1°	1338.6
2°	1325.5
3°	1309.3
4°	1294.6
5°	1291.1
6°	1295.0
7°	1303.1
8°	1312.3
9°	1319.7
10°	1322.0
11°	1320.5
12°	1314.3
13°	1304.6
14°	1293.4
15°	1278.4
16°	1261.0
17°	1239.0
18°	1214.3
19°	1184.6
20°	1151.0
21°	1112.8
22°	1067.6
23°	1017.8
24°	960.7
25°	897.8
26°	828.7
27°	755.4
28°	677.0
29°	596.3
30°	514.1
31°	431.5
32°	350.9
32.5°	315.0
33°	277.9
34°	215.0
35°	164.8
36°	125.4
37°	93.0
37.5°	79.5
38°	69.1
39°	52.5
40°	42.5
42.5°	27.0
45°	17.4



TEST NUMBER: P1257106

CATALOG NUMBER: P3AS09R559040DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.4
50°	4.6
52.5°	1.5
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)