

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: P1246620

Luminaire Tested: P3AS09R559024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246620
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: P3AS09R559024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

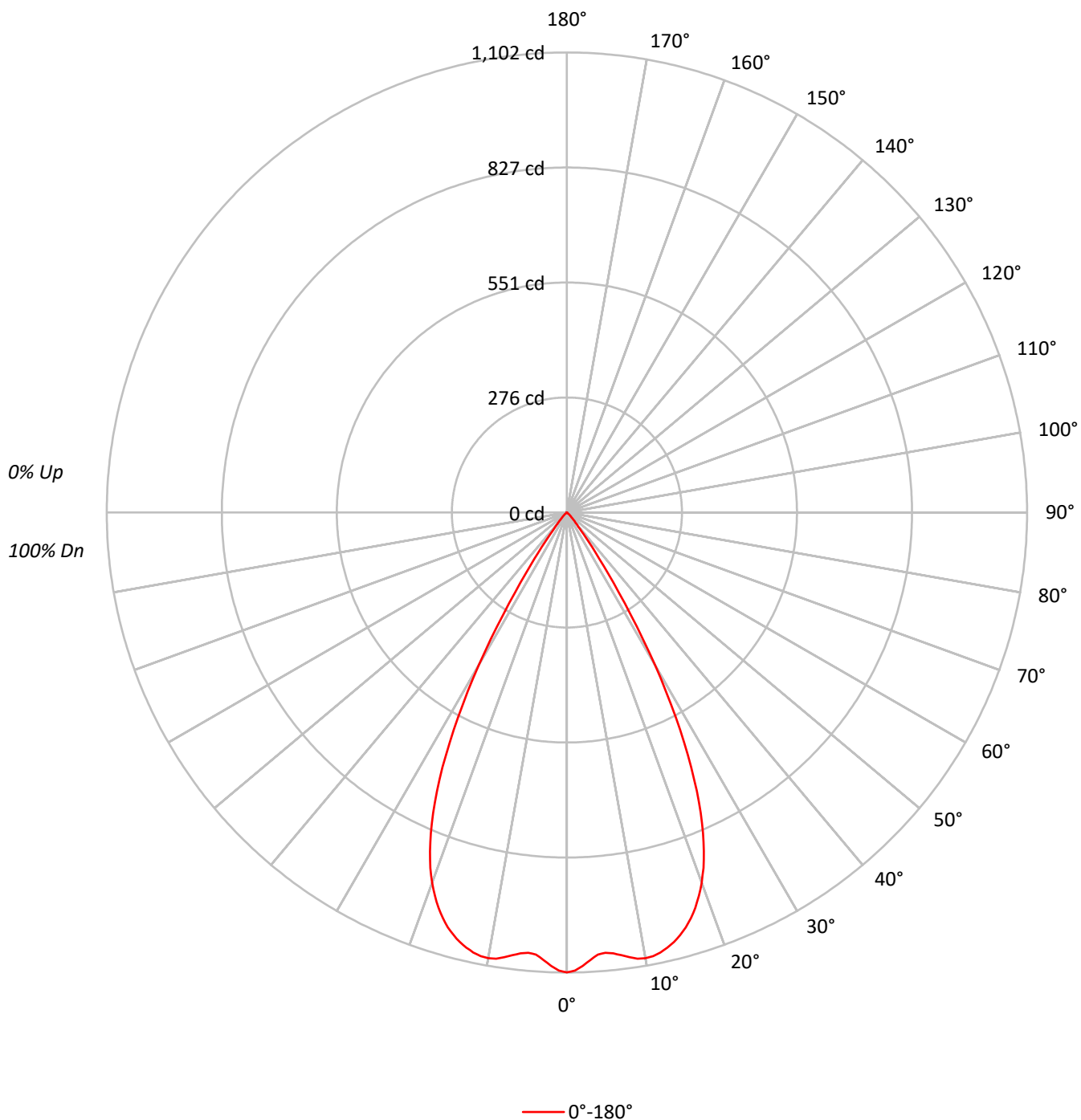
Lumens per Lamp: N/A
Luminaire Lumens: 833.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246620

CATALOG NUMBER: P3AS09R559024DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1246620

CATALOG NUMBER: P3AS09R559024DE010 E3D1WMH

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	83	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°	241560
5°	233017
10°	241345
15°	237936
20°	220216
25°	178099
30°	106725
35°	36165
40°	9962
45°	4404
50°	1296
55°	229
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4404 cd/sqm

TEST NUMBER: P1246620

CATALOG NUMBER: P3AS09R559024DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	12.3
10°-20°	291.8	35.0
20°-30°	324.4	38.9
30°-40°	101.0	12.1
40°-50°	12.1	1.5
50°-60°	0.9	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°	718.6	86.3
0°-40°	819.6	98.4
0°-60°	832.6	100.0
0°-90°	833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1102	
5°	1059	102
15°	1048	292
25°	736	324
35°	135	101
45°	14	12
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1246620

CATALOG NUMBER: P3AS09R559024DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1101.6
1°	1097.5
2°	1086.7
3°	1073.4
4°	1061.4
5°	1058.6
6°	1061.7
7°	1068.4
8°	1076.0
9°	1082.0
10°	1083.9
11°	1082.6
12°	1077.6
13°	1069.6
14°	1060.5
15°	1048.1
16°	1033.9
17°	1015.8
18°	995.6
19°	971.2
20°	943.7
21°	912.4
22°	875.3
23°	834.5
24°	787.7
25°	736.1
26°	679.4
27°	619.3
28°	555.1
29°	488.9
30°	421.5
31°	353.8
32°	287.7
32.5°	258.2
33°	227.9
34°	176.3
35°	135.1
36°	102.9
37°	76.3
37.5°	65.2
38°	56.6
39°	43.0
40°	34.8
42.5°	22.2
45°	14.2



TEST NUMBER: P1246620

CATALOG NUMBER: P3AS09R559024DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.5
50°	3.8
52.5°	1.3
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)