

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: P1273815

Luminaire Tested: P3AS09R559830DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273815
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: P3AS09R559830DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

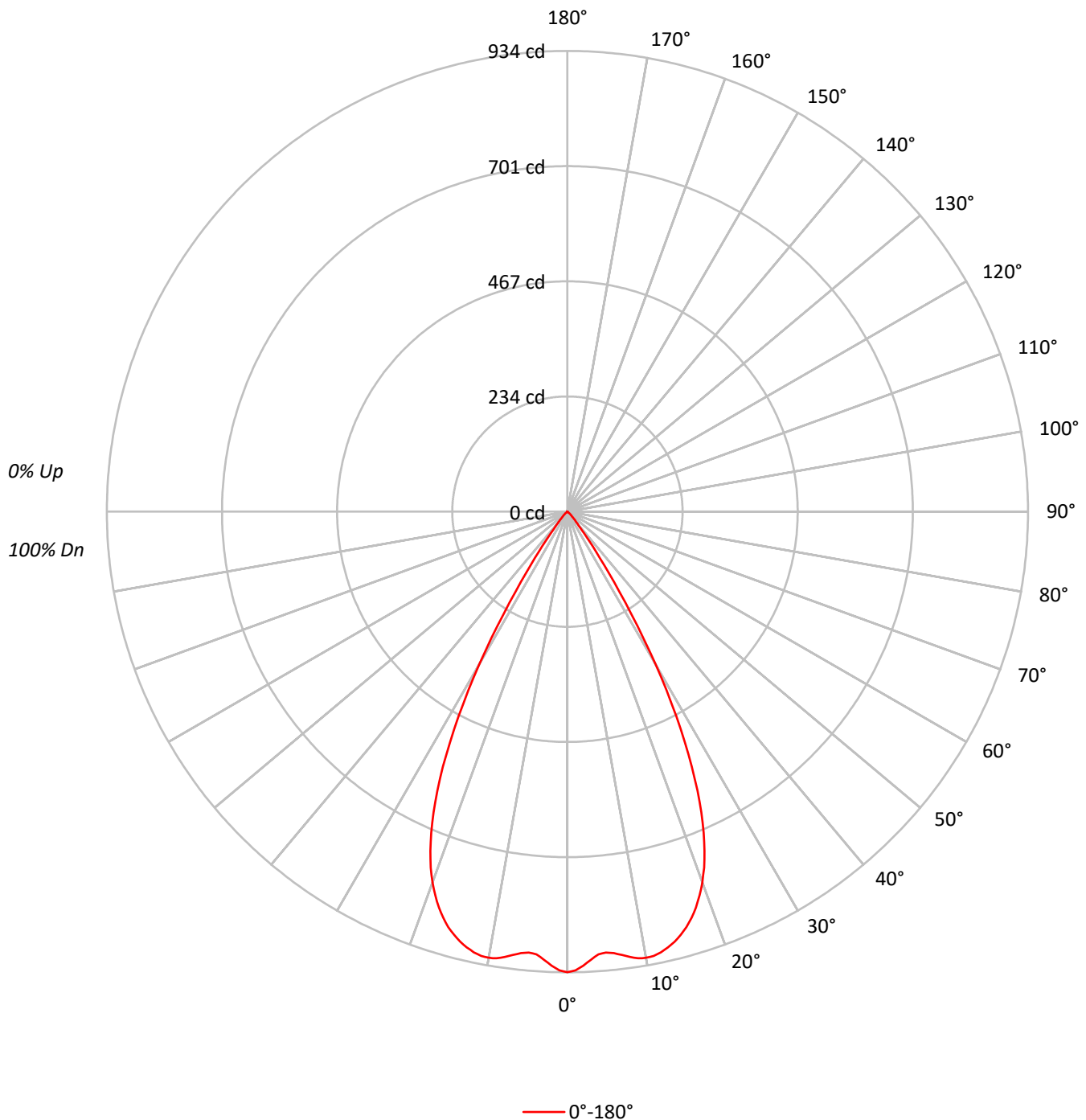
Lumens per Lamp: N/A
Luminaire Lumens: 706.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1273815

CATALOG NUMBER: P3AS09R559830DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1273815

CATALOG NUMBER: P3AS09R559830DE010 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	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	65	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°	204742
5°	197490
10°	204539
15°	201658
20°	186636
25°	150952
30°	90470
35°	30651
40°	8444
45°	3752
50°	1092
55°	191
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3752 cd/sqm

TEST NUMBER: P1273815

CATALOG NUMBER: P3AS09R559830DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	12.3
10°-20°	247.3	35.0
20°-30°	274.9	38.9
30°-40°	85.6	12.1
40°-50°	10.3	1.5
50°-60°	0.8	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°	609.1	86.3
0°-40°	694.6	98.4
0°-60°	705.7	100.0
0°-90°	706.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	934	
5°	897	87
15°	888	247
25°	624	275
35°	114	86
45°	12	10
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1273815

CATALOG NUMBER: P3AS09R559830DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	933.7
1°	930.2
2°	921.0
3°	909.8
4°	899.6
5°	897.2
6°	899.9
7°	905.5
8°	911.9
9°	917.0
10°	918.6
11°	917.6
12°	913.3
13°	906.6
14°	898.8
15°	888.3
16°	876.3
17°	861.0
18°	843.8
19°	823.1
20°	799.8
21°	773.3
22°	741.9
23°	707.3
24°	667.6
25°	623.9
26°	575.9
27°	524.9
28°	470.4
29°	414.4
30°	357.3
31°	299.9
32°	243.8
32.5°	218.9
33°	193.1
34°	149.4
35°	114.5
36°	87.2
37°	64.6
37.5°	55.3
38°	48.0
39°	36.5
40°	29.5
42.5°	18.8
45°	12.1



TEST NUMBER: P1273815

CATALOG NUMBER: P3AS09R559830DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.2
50°	3.2
52.5°	1.1
55°	0.5
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)