

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: P1275885

Luminaire Tested: P3AS09R559835DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1275885
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: P3AS09R559835DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

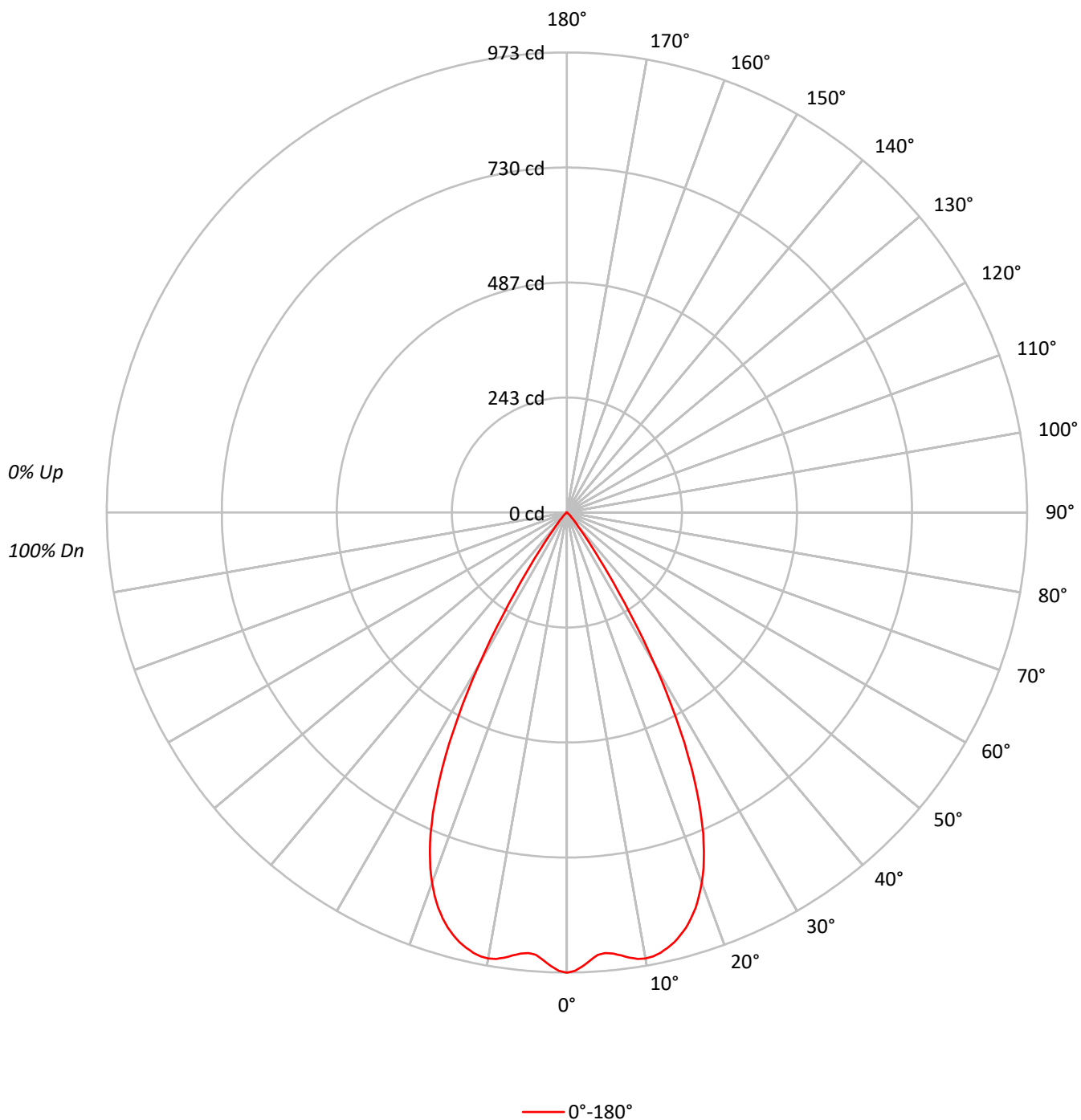
Lumens per Lamp: N/A
Luminaire Lumens: 736.1 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1275885

CATALOG NUMBER: P3AS09R559835DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1275885

CATALOG NUMBER: P3AS09R559835DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89		
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84		
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79		
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75		
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71		
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67		
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60		
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213426
5°	205877
10°	213245
15°	210240
20°	194570
25°	157364
30°	94293
35°	31962
40°	8817
45°	3907
50°	1160
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: 3907 cd/sqm

TEST NUMBER: P1275885

CATALOG NUMBER: P3AS09R559835DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	12.3
10°-20°	257.8	35.0
20°-30°	286.6	38.9
30°-40°	89.2	12.1
40°-50°	10.7	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°	634.9	86.3
0°-40°	724.2	98.4
0°-60°	735.7	100.0
0°-90°	736.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	973	
5°	935	90
15°	926	258
25°	650	287
35°	119	89
45°	13	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1275885

CATALOG NUMBER: P3AS09R559835DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	973.3
1°	969.7
2°	960.2
3°	948.4
4°	937.8
5°	935.3
6°	938.1
7°	944.0
8°	950.7
9°	956.0
10°	957.7
11°	956.5
12°	952.1
13°	945.1
14°	937.0
15°	926.1
16°	913.5
17°	897.6
18°	879.7
19°	858.1
20°	833.8
21°	806.1
22°	773.4
23°	737.3
24°	696.0
25°	650.4
26°	600.3
27°	547.2
28°	490.4
29°	432.0
30°	372.4
31°	312.6
32°	254.2
32.5°	228.2
33°	201.3
34°	155.7
35°	119.4
36°	90.9
37°	67.4
37.5°	57.6
38°	50.1
39°	38.0
40°	30.8
42.5°	19.6
45°	12.6

TEST NUMBER: P1275885

CATALOG NUMBER: P3AS09R559835DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.5
50°	3.4
52.5°	1.1
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)