

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: P1271167

Luminaire Tested: P3AS05R159827DE010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1271167  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R159827DE010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

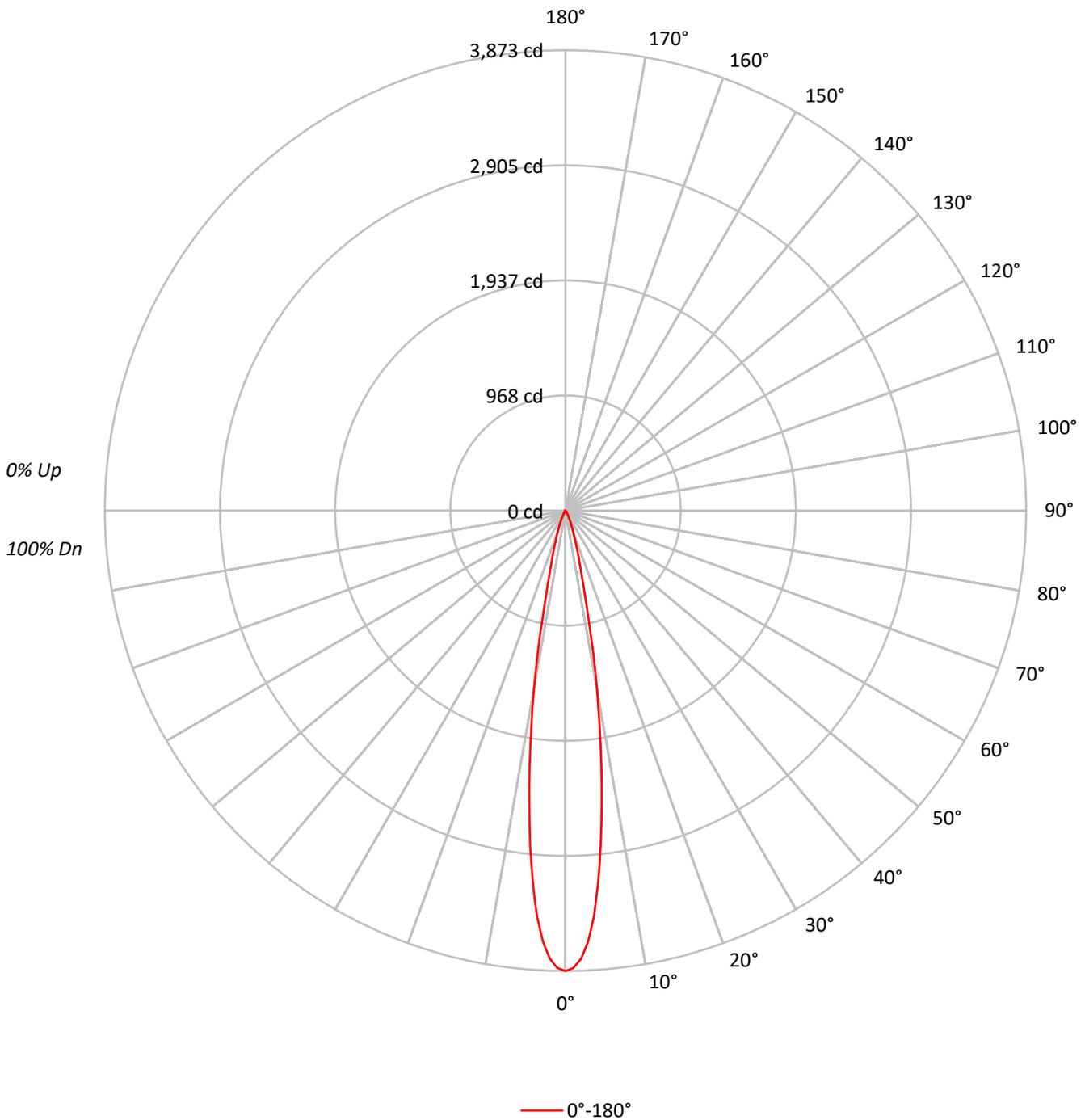
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 446.0 lumens  
Efficiency: N/A  
Efficacy: 61.9 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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: P1271167  
CATALOG NUMBER: P3AS05R159827DE010 E3D1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P1271167  
 CATALOG NUMBER: P3AS05R159827DE010 E3D1WMH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94	94	94	94
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	92	92	92	92
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	90	90	90	90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88	88	88	88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87	87	87	87
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85	85	85	85
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	85	84	84	84	84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82	82	82	82

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	849296
5°	692558
10°	339161
15°	103814
20°	43964
25°	19888
30°	7748
35°	3587
40°	1116
45°	434
50°	171
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 434 cd/sqm



TEST NUMBER: P1271167  
 CATALOG NUMBER: P3AS05R159827DE010 E3D1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.9	54.9
10°-20°	150.3	33.7
20°-30°	40.4	9.0
30°-40°	8.9	2.0
40°-50°	1.2	0.3
50°-60°	0.2	0.1
60°-70°	0.1	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°	435.5	97.6
0°-40°	444.4	99.6
0°-60°	445.9	100.0
0°-90°	446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3873	
5°	3146	245
15°	457	150
25°	82	40
35°	13	9
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1271167  
CATALOG NUMBER: P3AS05R159827DE010 E3D1WMH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3873.1
1°	3848.9
2°	3771.3
3°	3631.4
4°	3420.9
5°	3146.3
6°	2835.6
7°	2489.6
8°	2171.6
9°	1834.6
10°	1523.2
11°	1215.1
12°	934.9
13°	719.1
14°	569.2
15°	457.3
17.5°	283.4
20°	188.4
22.5°	126.8
25°	82.2
27.5°	48.7
30°	30.6
32.5°	20.6
35°	13.4
37.5°	7.4
40°	3.9
42.5°	2.2
45°	1.4
47.5°	0.8
50°	0.5
52.5°	0.3
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
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



TEST NUMBER: P1271167  
CATALOG NUMBER: P3AS05R159827DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)