

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: P1262034

Luminaire Tested: P3AS05R559727DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262034
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: P3AS05R559727DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

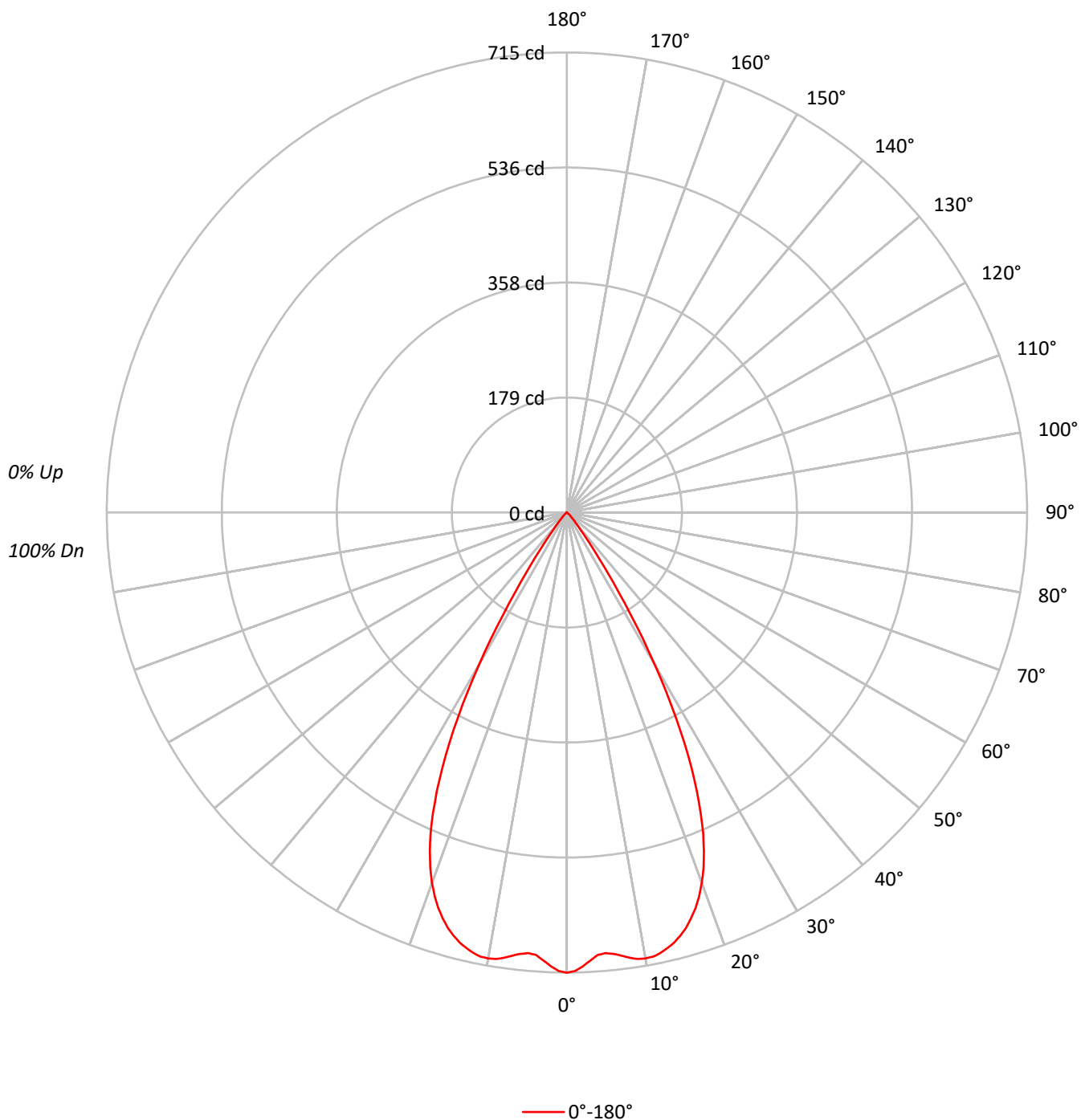
Lumens per Lamp: N/A
Luminaire Lumens: 541.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156873
5°	151331
10°	156733
15°	154530
20°	143022
25°	115676
30°	69327
35°	23503
40°	6469
45°	2853
50°	853
55°	153
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	12.3
10°-20°	189.5	35.0
20°-30°	210.7	38.9
30°-40°	65.6	12.1
40°-50°	7.9	1.5
50°-60°	0.6	0.1
60°-70°	0.2	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°	466.7	86.3
0°-40°	532.3	98.4
0°-60°	540.8	100.0
0°-90°	541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	541.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	715	
5°	688	67
15°	681	190
25°	478	211
35°	88	66
45°	9	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	715.4
1°	712.8
2°	705.8
3°	697.2
4°	689.3
5°	687.5
6°	689.6
7°	693.9
8°	698.8
9°	702.7
10°	703.9
11°	703.1
12°	699.8
13°	694.7
14°	688.7
15°	680.7
16°	671.5
17°	659.7
18°	646.6
19°	630.8
20°	612.9
21°	592.5
22°	568.5
23°	542.0
24°	511.6
25°	478.1
26°	441.3
27°	402.2
28°	360.5
29°	317.5
30°	273.8
31°	229.8
32°	186.8
32.5°	167.7
33°	148.0
34°	114.5
35°	87.8
36°	66.8
37°	49.5
37.5°	42.3
38°	36.8
39°	28.0
40°	22.6
42.5°	14.4
45°	9.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.5
50°	2.5
52.5°	0.8
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
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)