

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: P1248699

Luminaire Tested: P3AS05R709027DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R709027DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

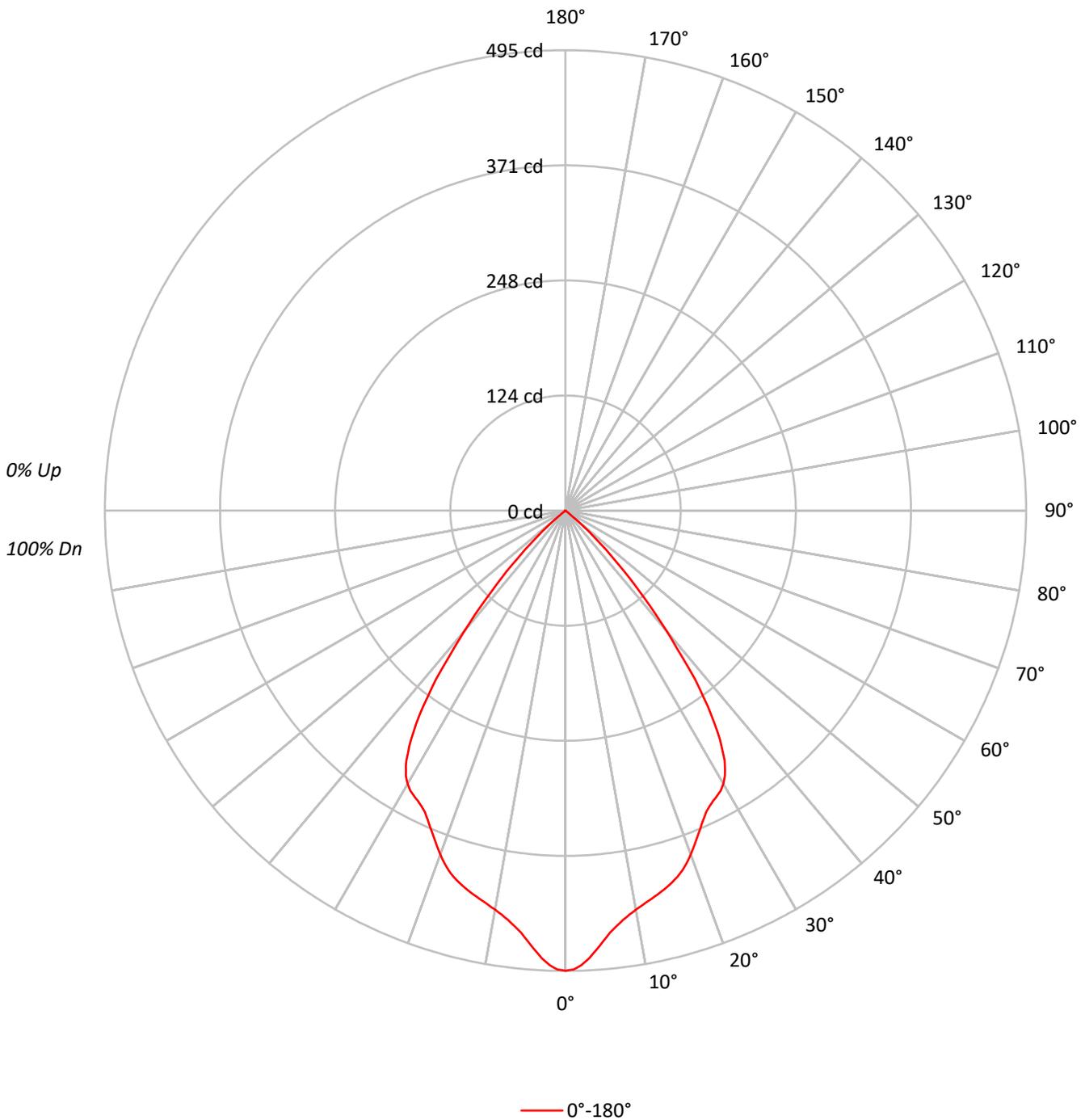
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
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			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
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57			57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108500
5°	102311
10°	97014
15°	95256
20°	91825
25°	86545
30°	85937
35°	74847
40°	48405
45°	22886
50°	3207
55°	268
60°	219
65°	259
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	7.8
10°-20°	117.8	21.1
20°-30°	166.7	29.9
30°-40°	167.5	30.0
40°-50°	60.2	10.8
50°-60°	1.6	0.3
60°-70°	0.4	0.1
70°-80°	0.2	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°	327.9	58.8
0°-40°	495.5	88.8
0°-60°	557.3	99.9
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	495	
5°	465	43
15°	420	118
25°	358	167
35°	280	168
45°	74	60
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	494.8
1°	493.4
2°	489.1
3°	482.2
4°	473.5
5°	464.8
6°	456.5
7°	450.1
8°	444.4
9°	439.8
10°	435.7
11°	432.2
12°	429.0
13°	425.8
14°	422.8
15°	419.6
16°	415.7
17°	411.6
18°	406.6
19°	400.4
20°	393.5
21°	385.9
22°	378.4
23°	371.0
24°	363.9
25°	357.7
26°	353.4
27°	350.0
28°	347.2
29°	344.0
30°	339.4
31°	332.8
32°	323.4
32.5°	318.1
33°	311.0
34°	297.0
35°	279.6
36°	260.3
37°	238.6
37.5°	228.5
38°	214.7
39°	190.2
40°	169.1
42.5°	117.1
45°	73.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	39.6
50°	9.4
52.5°	1.1
55°	0.7
57.5°	0.7
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)