

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: P1274908

Luminaire Tested: P3AS20R659830D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659830D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

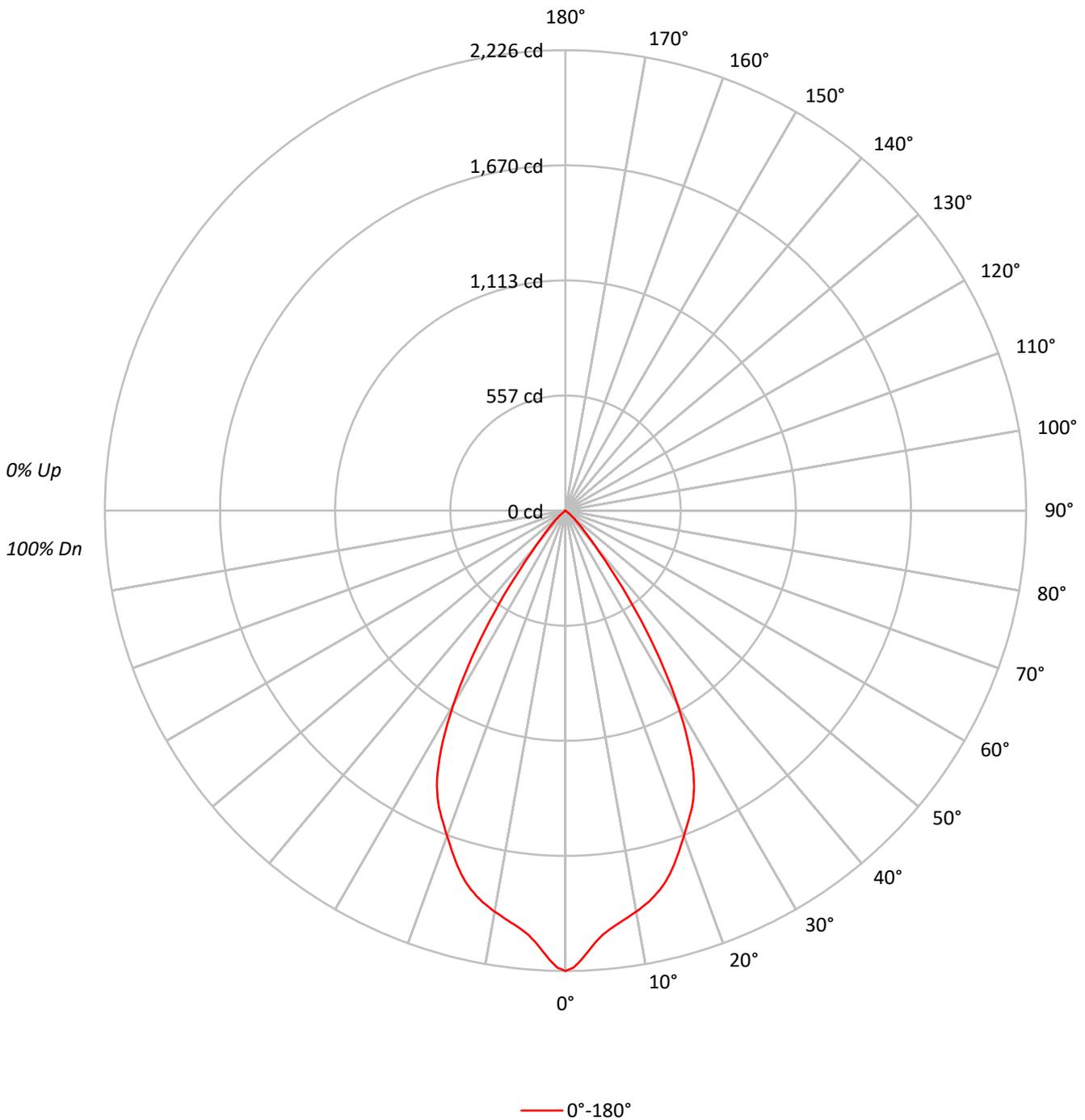
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1821.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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				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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88				88
3	103	97	92	88	101	95	91	88	93	89	86	90	87	85	88	86	83	82				82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77				77
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72				72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67				67
7	84	75	70	65	83	75	69	65	73	69	65	72	68	65	71	67	64	63				63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	68	63	60	59				59
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56				56
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52				52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	488206
5°	453312
10°	438380
15°	422477
20°	390587
25°	355859
30°	274954
35°	159384
40°	63233
45°	26949
50°	6379
55°	841
60°	658
65°	363
70°	449
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26949 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	10.7
10°-20°	518.5	28.5
20°-30°	656.3	36.0
30°-40°	373.7	20.5
40°-50°	74.3	4.1
50°-60°	3.8	0.2
60°-70°	1.0	0.1
70°-80°	0.1	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°	1369.1	75.1
0°-40°	1742.8	95.7
0°-60°	1820.9	99.9
0°-90°	1821.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2226	
5°	2059	194
15°	1861	519
25°	1471	656
35°	595	374
45°	87	74
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2226.4
1°	2210.0
2°	2174.0
3°	2132.1
4°	2090.9
5°	2059.4
6°	2036.2
7°	2017.5
8°	2001.0
9°	1984.6
10°	1968.8
11°	1951.6
12°	1933.6
13°	1911.9
14°	1888.7
15°	1861.0
16°	1828.0
17°	1792.1
18°	1753.1
19°	1712.0
20°	1673.8
21°	1634.8
22°	1599.6
23°	1562.9
24°	1520.2
25°	1470.8
26°	1411.7
27°	1340.5
28°	1260.4
29°	1175.0
30°	1085.9
31°	987.8
32°	890.4
32.5°	840.3
33°	791.6
34°	692.7
35°	595.4
36°	505.5
37°	416.4
37.5°	370.7
38°	334.0
39°	270.3
40°	220.9
42.5°	136.3
45°	86.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	50.9
50°	18.7
52.5°	3.7
55°	2.2
57.5°	1.5
60°	1.5
62.5°	1.5
65°	0.7
67.5°	0.7
70°	0.7
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)