

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: P1258295

Luminaire Tested: P3AS20R659040D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258295
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: P3AS20R659040D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

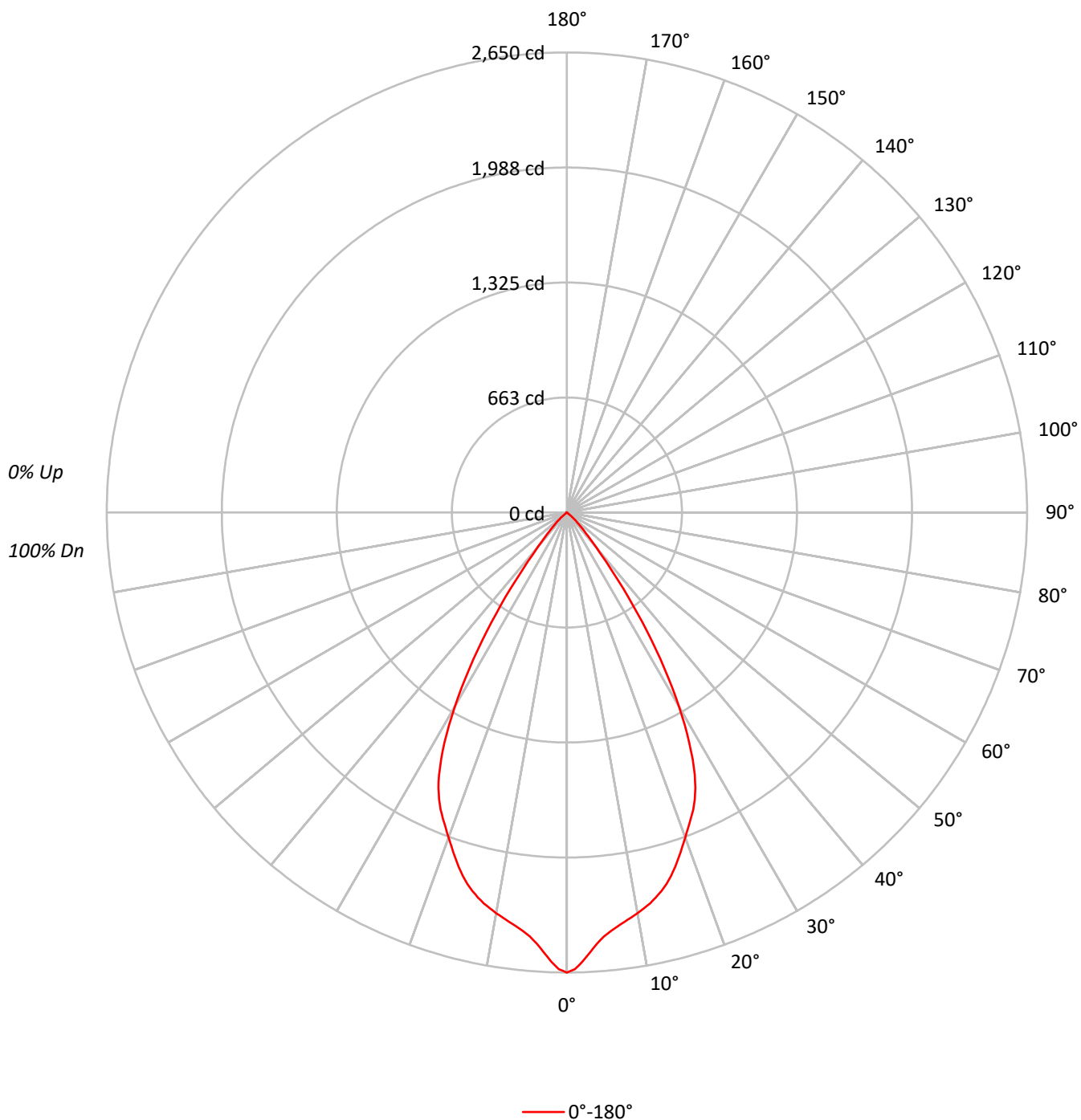
Lumens per Lamp: N/A
Luminaire Lumens: 2169.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	581203
5°	539664
10°	521879
15°	502931
20°	464957
25°	423629
30°	327316
35°	189740
40°	75284
45°	32065
50°	7607
55°	1032
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32065 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	10.7
10°-20°	617.3	28.5
20°-30°	781.3	36.0
30°-40°	444.9	20.5
40°-50°	88.4	4.1
50°-60°	4.6	0.2
60°-70°	1.2	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°	1629.8	75.1
0°-40°	2074.7	95.7
0°-60°	2167.7	99.9
0°-90°	2169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2169.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2650	
5°	2452	231
15°	2215	617
25°	1751	781
35°	709	445
45°	103	88
55°	3	5
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2650.5
1°	2630.9
2°	2588.1
3°	2538.1
4°	2489.1
5°	2451.7
6°	2424.0
7°	2401.7
8°	2382.1
9°	2362.5
10°	2343.8
11°	2323.3
12°	2301.9
13°	2276.0
14°	2248.4
15°	2215.4
16°	2176.2
17°	2133.4
18°	2087.0
19°	2038.0
20°	1992.5
21°	1946.2
22°	1904.3
23°	1860.6
24°	1809.8
25°	1750.9
26°	1680.5
27°	1595.8
28°	1500.4
29°	1398.8
30°	1292.7
31°	1175.9
32°	1060.0
32.5°	1000.3
33°	942.3
34°	824.7
35°	708.8
36°	601.8
37°	495.7
37.5°	441.3
38°	397.6
39°	321.8
40°	263.0
42.5°	162.3
45°	103.4

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	60.6
50°	22.3
52.5°	4.5
55°	2.7
57.5°	1.8
60°	1.8
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
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)