

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: P1252881

Luminaire Tested: P3AS20R659030D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252881
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: P3AS20R659030D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

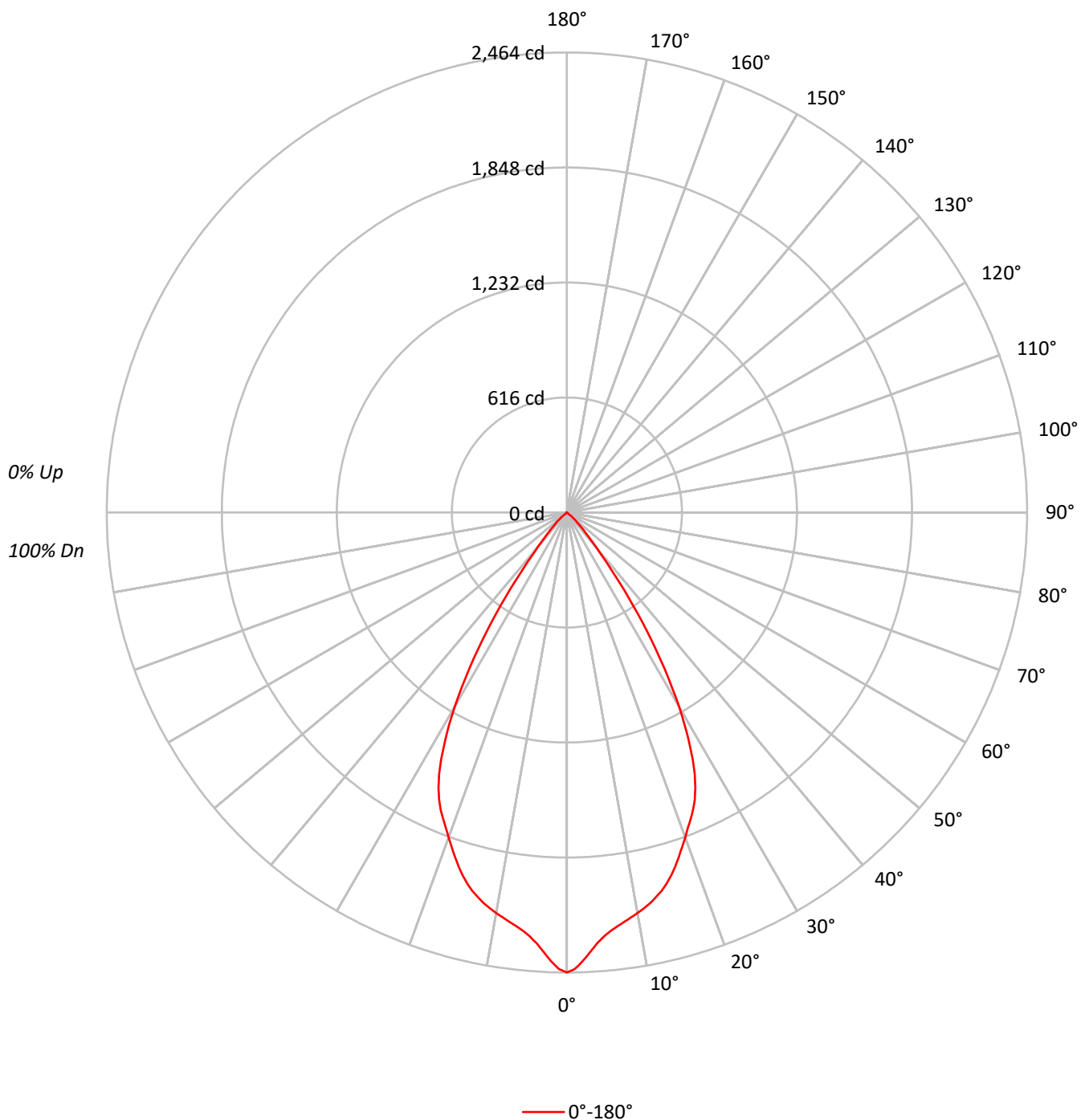
Lumens per Lamp: N/A
Luminaire Lumens: 2016.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	540198
5°	501584
10°	485072
15°	467449
20°	432171
25°	393749
30°	304224
35°	176356
40°	69960
45°	29802
50°	7062
55°	956
60°	746
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.9	10.7
10°-20°	573.8	28.5
20°-30°	726.2	36.0
30°-40°	413.5	20.5
40°-50°	82.1	4.1
50°-60°	4.3	0.2
60°-70°	1.1	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°	1514.8	75.1
0°-40°	1928.3	95.7
0°-60°	2014.7	99.9
0°-90°	2016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2016.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2464	
5°	2279	215
15°	2059	574
25°	1627	726
35°	659	414
45°	96	82
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2463.5
1°	2445.3
2°	2405.5
3°	2359.1
4°	2313.5
5°	2278.7
6°	2253.0
7°	2232.3
8°	2214.1
9°	2195.9
10°	2178.5
11°	2159.4
12°	2139.5
13°	2115.5
14°	2089.8
15°	2059.1
16°	2022.7
17°	1982.9
18°	1939.8
19°	1894.2
20°	1852.0
21°	1808.9
22°	1769.9
23°	1729.3
24°	1682.1
25°	1627.4
26°	1562.0
27°	1483.2
28°	1394.6
29°	1300.1
30°	1201.5
31°	1093.0
32°	985.2
32.5°	929.7
33°	875.9
34°	766.5
35°	658.8
36°	559.3
37°	460.7
37.5°	410.2
38°	369.6
39°	299.1
40°	244.4
42.5°	150.8
45°	96.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	56.3
50°	20.7
52.5°	4.1
55°	2.5
57.5°	1.7
60°	1.7
62.5°	1.7
65°	0.8
67.5°	0.8
70°	0.8
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)