

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: P1250174

Luminaire Tested: P3AS20R659027D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250174
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: P3AS20R659027D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

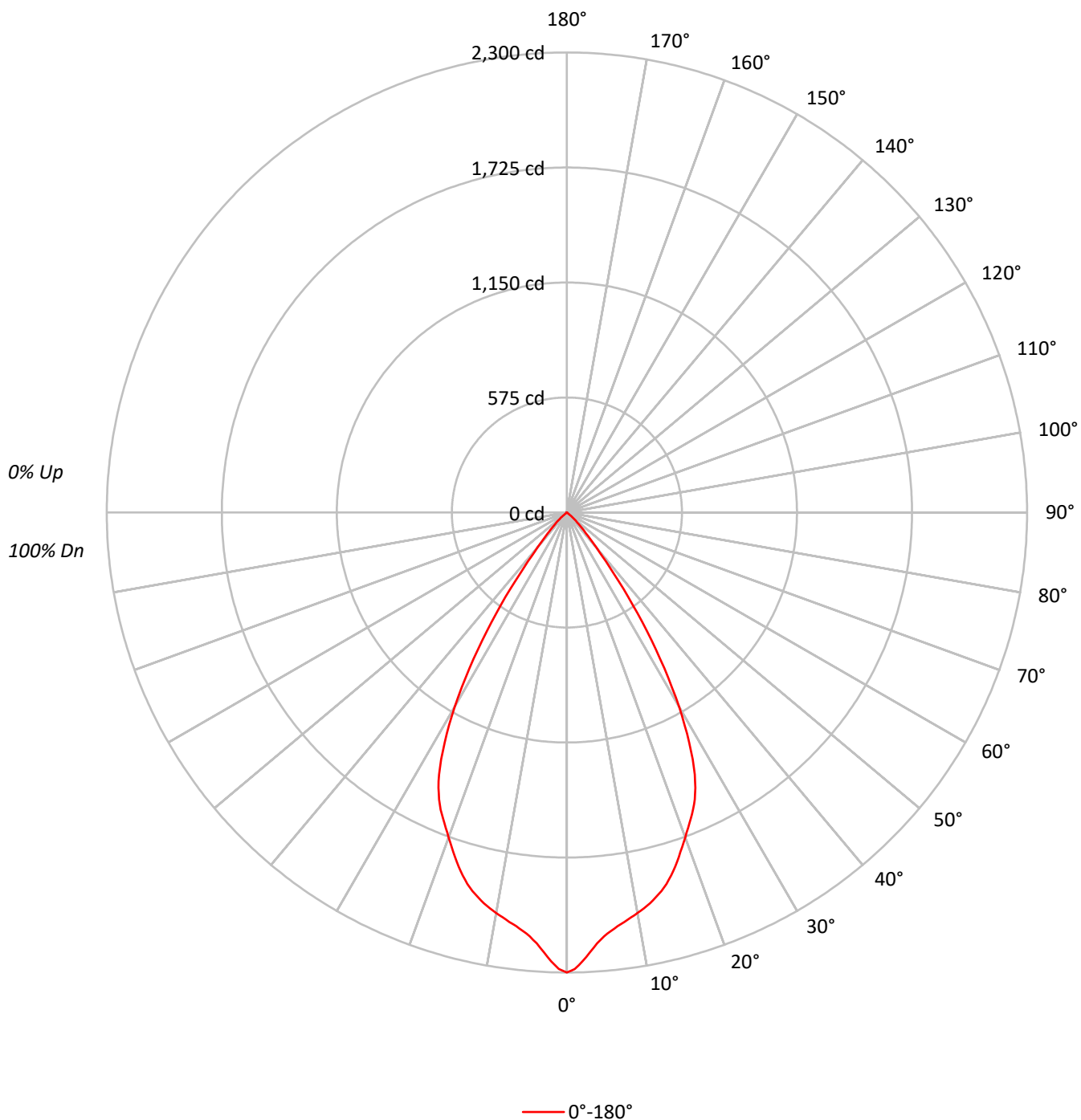
Lumens per Lamp: N/A
Luminaire Lumens: 1882.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1250174

CATALOG NUMBER: P3AS20R659027D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1250174

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	504302
5°	468258
10°	452831
15°	436393
20°	403445
25°	367594
30°	283993
35°	164631
40°	65322
45°	27817
50°	6584
55°	879
60°	658
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27817 cd/sqm

TEST NUMBER: P1250174

CATALOG NUMBER: P3AS20R659027D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	10.7
10°-20°	535.6	28.5
20°-30°	677.9	36.0
30°-40°	386.0	20.5
40°-50°	76.7	4.1
50°-60°	3.9	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°	1414.1	75.1
0°-40°	1800.2	95.7
0°-60°	1880.8	99.9
0°-90°	1882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2300	
5°	2127	201
15°	1922	536
25°	1519	678
35°	615	386
45°	90	77
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2299.8
1°	2282.7
2°	2245.6
3°	2202.3
4°	2159.8
5°	2127.3
6°	2103.3
7°	2083.9
8°	2066.9
9°	2049.9
10°	2033.7
11°	2015.9
12°	1997.3
13°	1974.9
14°	1950.9
15°	1922.3
16°	1888.2
17°	1851.1
18°	1810.9
19°	1768.3
20°	1728.9
21°	1688.7
22°	1652.3
23°	1614.4
24°	1570.3
25°	1519.3
26°	1458.1
27°	1384.7
28°	1301.9
29°	1213.7
30°	1121.6
31°	1020.3
32°	919.8
32.5°	867.9
33°	817.6
34°	715.5
35°	615.0
36°	522.1
37°	430.1
37.5°	382.9
38°	345.0
39°	279.3
40°	228.2
42.5°	140.8
45°	89.7



TEST NUMBER: P1250174

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	52.6
50°	19.3
52.5°	3.9
55°	2.3
57.5°	1.5
60°	1.5
62.5°	1.5
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)