

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: P1272831

Luminaire Tested: P3AS20R659827D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659827D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

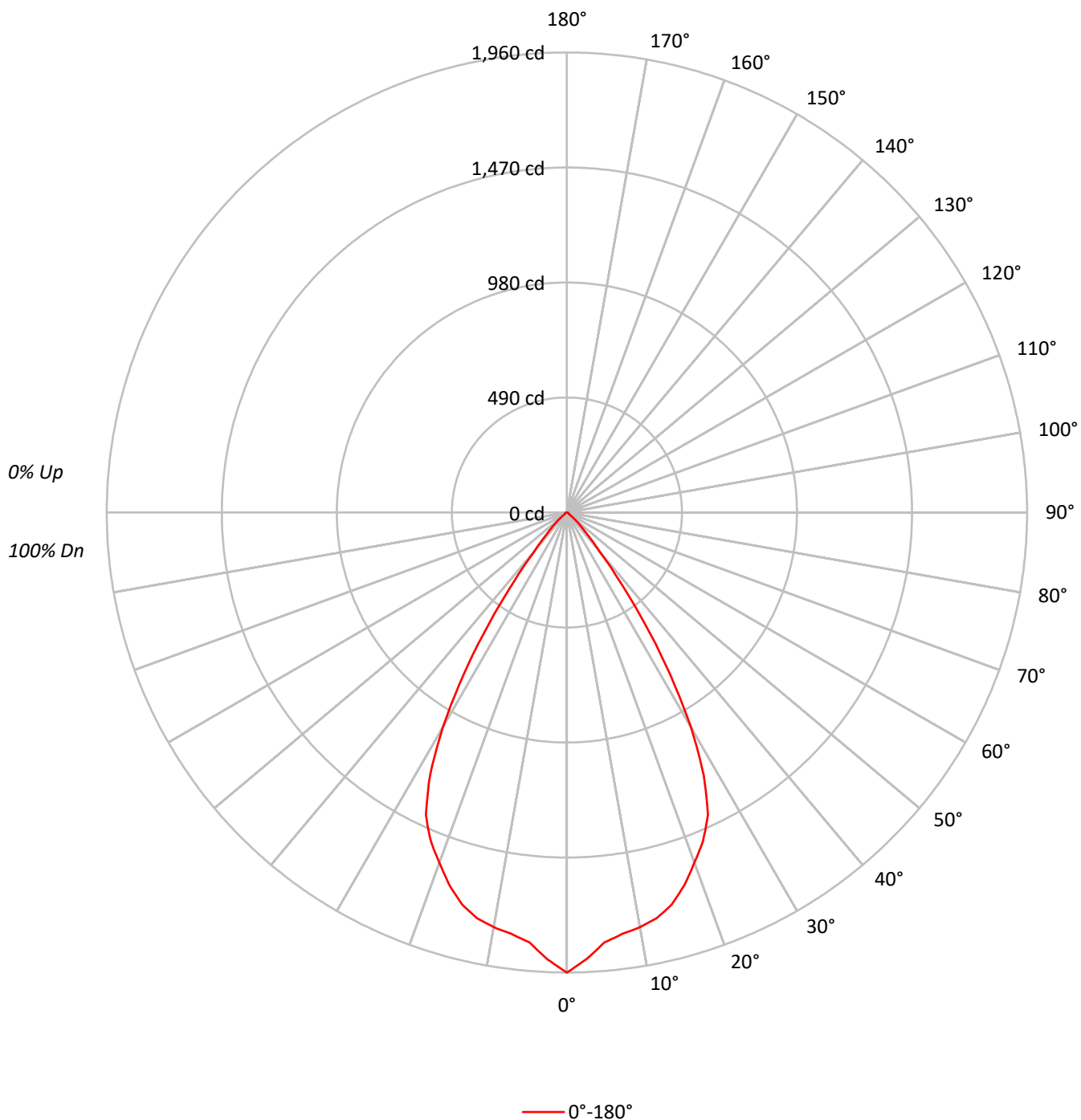
Lumens per Lamp: N/A
Luminaire Lumens: 1759.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1272831

CATALOG NUMBER: P3AS20R659827D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1272831

CATALOG NUMBER: P3AS20R659827D010 E3CD1MB

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	78	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	69	64	60	68	63	60		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	61	56	53		60	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	429856
5°	404577
10°	399436
15°	392375
20°	370472
25°	343859
30°	267282
35°	154619
40°	62317
45°	28685
50°	11155
55°	4358
60°	3728
65°	3684
70°	3654
75°	3643
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

TEST NUMBER: P1272831

CATALOG NUMBER: P3AS20R659827D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.7	9.9
10°-20°	482.7	27.4
20°-30°	631.9	35.9
30°-40°	366.0	20.8
40°-50°	78.3	4.5
50°-60°	12.8	0.7
60°-70°	7.0	0.4
70°-80°	4.1	0.2
80°-90°	1.5	0.1
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°	1289.2	73.3
0°-40°	1655.2	94.1
0°-60°	1746.3	99.3
0°-90°	1759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1960	
5°	1838	175
15°	1728	483
25°	1421	632
35°	578	366
45°	92	78
55°	11	13
65°	7	7
75°	4	4
85°	1	2
90°	0	

TEST NUMBER: P1272831

CATALOG NUMBER: P3AS20R659827D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1960.3
2.5°	1904.8
5°	1838.0
7.5°	1811.0
10°	1793.9
12.5°	1769.7
15°	1728.4
17.5°	1664.4
20°	1587.6
22.5°	1515.1
25°	1421.2
27.5°	1263.3
30°	1055.6
32.5°	818.0
35°	577.6
37.5°	365.6
40°	217.7
42.5°	136.6
45°	92.5
47.5°	59.7
50°	32.7
52.5°	15.6
55°	11.4
57.5°	10.0
60°	8.5
62.5°	8.5
65°	7.1
67.5°	5.7
70°	5.7
72.5°	4.3
75°	4.3
77.5°	2.8
80°	2.8
82.5°	1.4
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)