

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: P1274901

Luminaire Tested: P3AS20R659830D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274901
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: P3AS20R659830D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

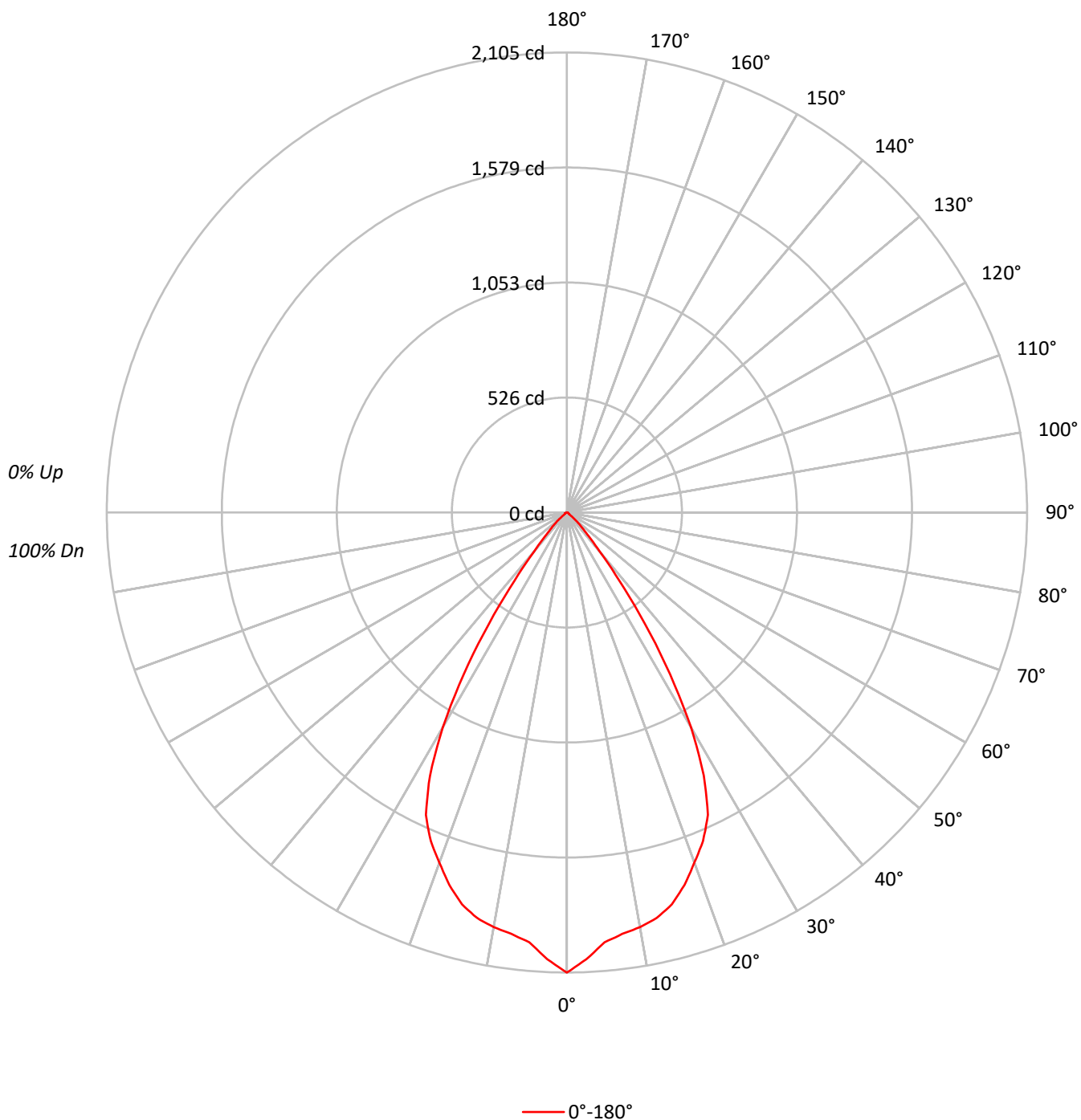
Lumens per Lamp: N/A
Luminaire Lumens: 1889.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1274901

CATALOG NUMBER: P3AS20R659830D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1274901

CATALOG NUMBER: P3AS20R659830D010 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°	461630
5°	434469
10°	428961
15°	421387
20°	397845
25°	369263
30°	287032
35°	166050
40°	66897
45°	30794
50°	11974
55°	4664
60°	4035
65°	3943
70°	3911
75°	3897
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30794 cd/sqm

TEST NUMBER: P1274901

CATALOG NUMBER: P3AS20R659830D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	9.9
10°-20°	518.3	27.4
20°-30°	678.5	35.9
30°-40°	393.0	20.8
40°-50°	84.1	4.5
50°-60°	13.7	0.7
60°-70°	7.6	0.4
70°-80°	4.5	0.2
80°-90°	1.6	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°	1384.5	73.3
0°-40°	1777.5	94.1
0°-60°	1875.3	99.3
0°-90°	1889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1889.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2105	
5°	1974	188
15°	1856	518
25°	1526	679
35°	620	393
45°	99	84
55°	12	14
65°	8	8
75°	5	4
85°	2	2
90°	0	

TEST NUMBER: P1274901

CATALOG NUMBER: P3AS20R659830D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	2105.2
2.5°	2045.6
5°	1973.8
7.5°	1944.8
10°	1926.5
12.5°	1900.5
15°	1856.2
17.5°	1787.4
20°	1704.9
22.5°	1627.0
25°	1526.2
27.5°	1356.6
30°	1133.6
32.5°	878.4
35°	620.3
37.5°	392.6
40°	233.7
42.5°	146.7
45°	99.3
47.5°	64.2
50°	35.1
52.5°	16.8
55°	12.2
57.5°	10.7
60°	9.2
62.5°	9.2
65°	7.6
67.5°	6.1
70°	6.1
72.5°	4.6
75°	4.6
77.5°	3.1
80°	3.1
82.5°	1.5
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)