

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: P1274789

Luminaire Tested: P3AS20R459830D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459830D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

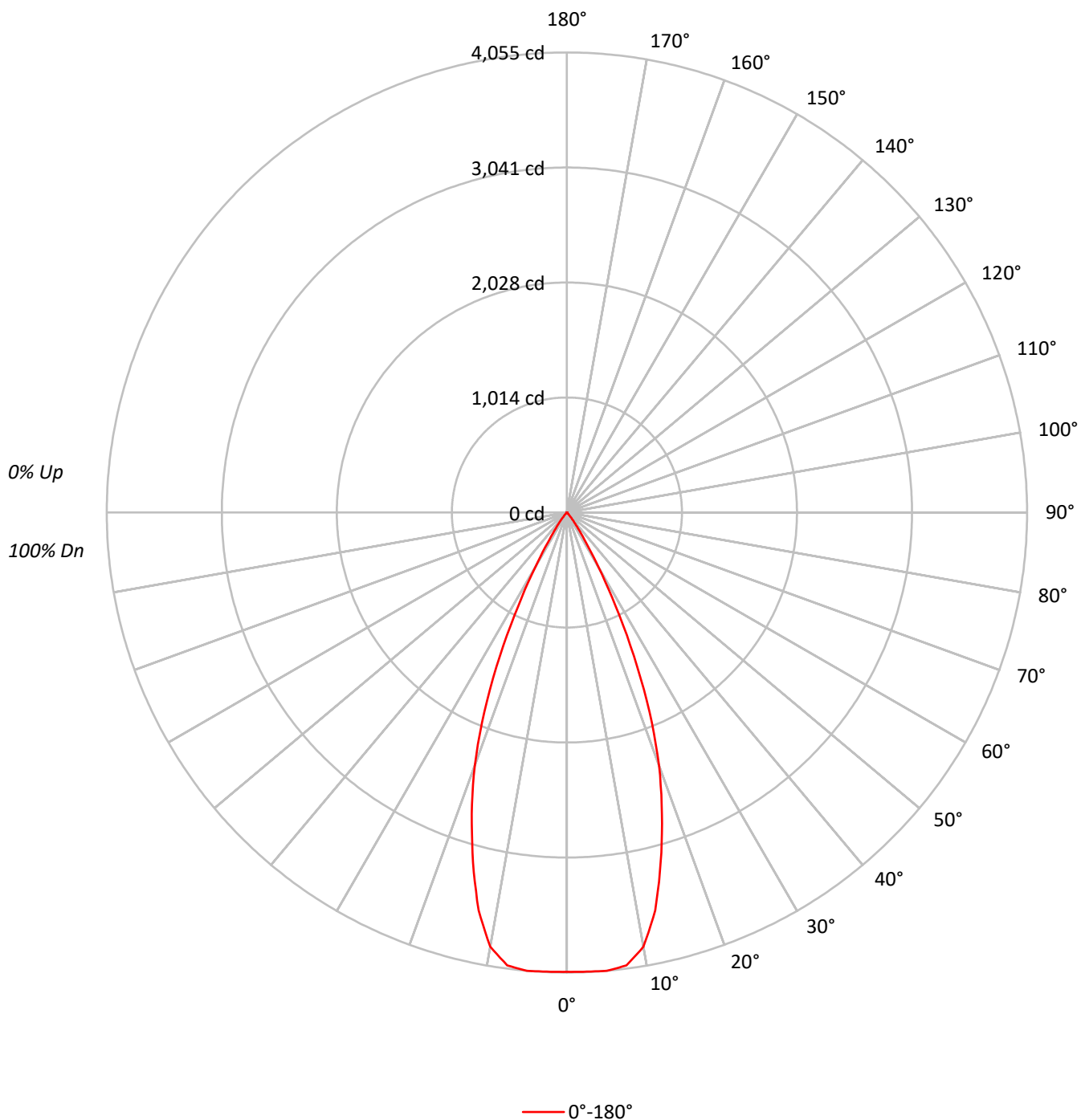
Lumens per Lamp: N/A
Luminaire Lumens: 2048.1 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1274789

CATALOG NUMBER: P3AS20R459830D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1274789

CATALOG NUMBER: P3AS20R459830D010 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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	87	82	78	93	86	81	78	85	80	77		83	80	77		82
7	90	83	78	74	89	82	78	74	81	77	74		80	76	74		79
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	887911
5°	892646
10°	865226
15°	725067
20°	554262
25°	337423
30°	140401
35°	44972
40°	13998
45°	2853
50°	2081
55°	2332
60°	2017
65°	2387
70°	1988
75°	2626
80°	1894
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2853 cd/sqm

TEST NUMBER: P1274789

CATALOG NUMBER: P3AS20R459830D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	18.7
10°-20°	877.8	42.9
20°-30°	632.1	30.9
30°-40°	131.5	6.4
40°-50°	12.0	0.6
50°-60°	5.0	0.2
60°-70°	4.0	0.2
70°-80°	2.6	0.1
80°-90°	0.6	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°	1892.3	92.4
0°-40°	2023.8	98.8
0°-60°	2040.8	99.6
0°-90°	2048.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2048.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4049	
5°	4055	382
15°	3194	878
25°	1395	632
35°	168	131
45°	9	12
55°	6	5
65°	5	4
75°	3	3
85°	0	1
90°	0	

TEST NUMBER: P1274789

CATALOG NUMBER: P3AS20R459830D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	4049.2
2.5°	4050.8
5°	4055.3
7.5°	4026.3
10°	3885.8
12.5°	3592.5
15°	3193.9
17.5°	2786.0
20°	2375.2
22.5°	1903.2
25°	1394.6
27.5°	919.5
30°	554.5
32.5°	310.1
35°	168.0
37.5°	94.7
40°	48.9
42.5°	21.4
45°	9.2
47.5°	6.1
50°	6.1
52.5°	6.1
55°	6.1
57.5°	4.6
60°	4.6
62.5°	4.6
65°	4.6
67.5°	3.1
70°	3.1
72.5°	3.1
75°	3.1
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)