

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: P1247697

Luminaire Tested: P3AS20R459024D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459024D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

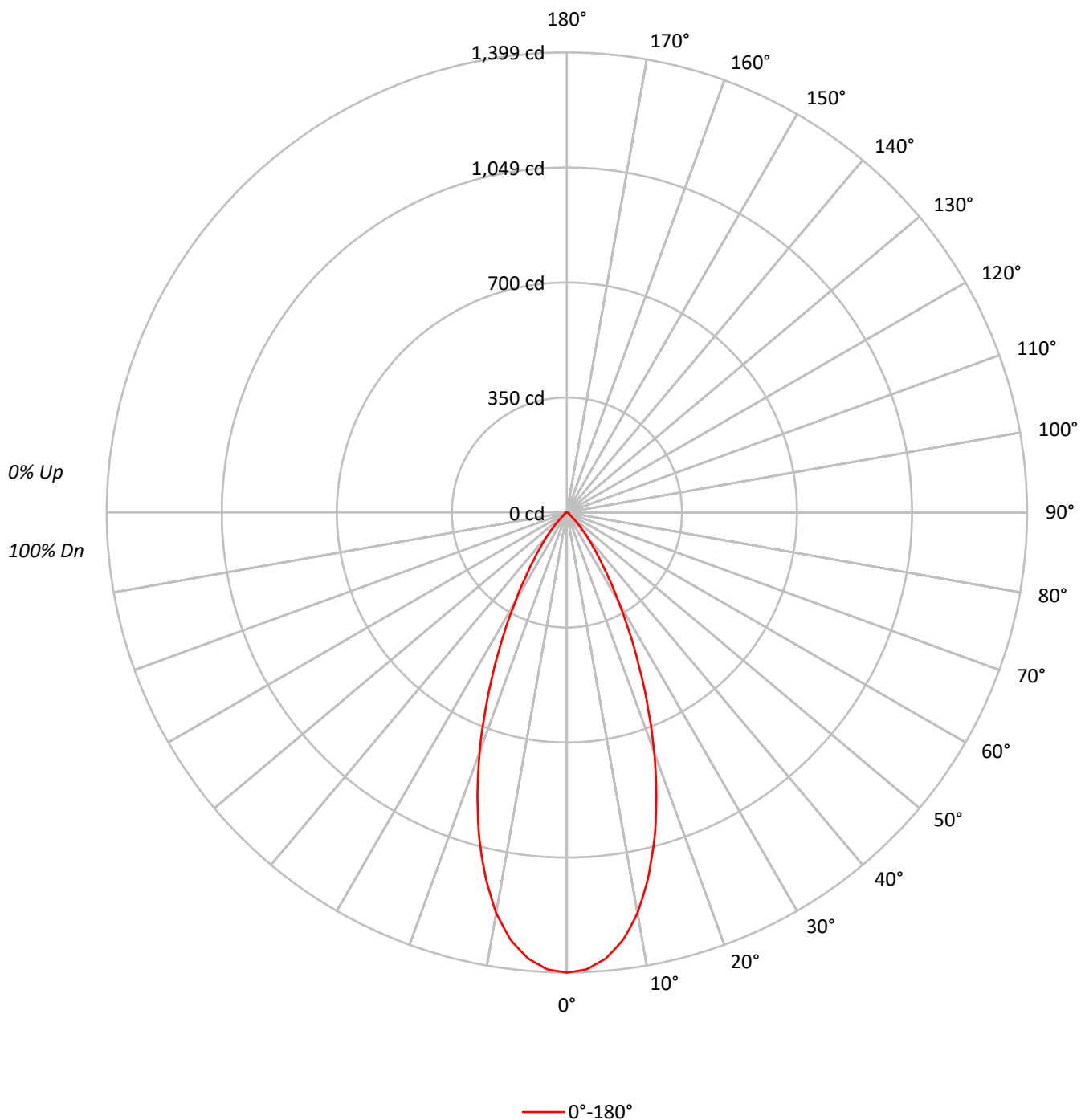
Lumens per Lamp: N/A
Luminaire Lumens: 817.0 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247697

CATALOG NUMBER: P3AS20R459024D010 E3DL1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1247697

CATALOG NUMBER: P3AS20R459024D010 E3DL1GPH

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306818
5°	299625
10°	275435
15°	233373
20°	181059
25°	126564
30°	79734
35°	46953
40°	26564
45°	12901
50°	4503
55°	3632
60°	3508
65°	3424
70°	3270
75°	3135
80°	2778
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12901 cd/sqm

TEST NUMBER: P1247697

CATALOG NUMBER: P3AS20R459024D010 E3DL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.0	15.4
10°-20°	282.3	34.6
20°-30°	239.7	29.3
30°-40°	114.4	14.0
40°-50°	34.4	4.2
50°-60°	8.7	1.1
60°-70°	6.5	0.8
70°-80°	3.9	0.5
80°-90°	1.1	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°	648.0	79.3
0°-40°	762.4	93.3
0°-60°	805.5	98.6
0°-90°	817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1399	
5°	1361	126
15°	1028	282
25°	523	240
35°	175	114
45°	42	34
55°	10	9
65°	7	6
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1247697

CATALOG NUMBER: P3AS20R459024D010 E3DL1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1399.2
2.5°	1390.4
5°	1361.2
7.5°	1310.8
10°	1237.0
12.5°	1139.1
15°	1028.0
17.5°	904.5
20°	775.9
22.5°	645.2
25°	523.1
27.5°	412.1
30°	314.9
32.5°	236.7
35°	175.4
37.5°	129.3
40°	92.8
42.5°	64.3
45°	41.6
47.5°	23.4
50°	13.2
52.5°	10.2
55°	9.5
57.5°	8.8
60°	8.0
62.5°	7.3
65°	6.6
67.5°	5.8
70°	5.1
72.5°	4.4
75°	3.7
77.5°	2.9
80°	2.2
82.5°	1.5
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)