

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: P1272710

Luminaire Tested: P3AS20R409827D010 E3DLP1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409827D010 E3DLP1GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

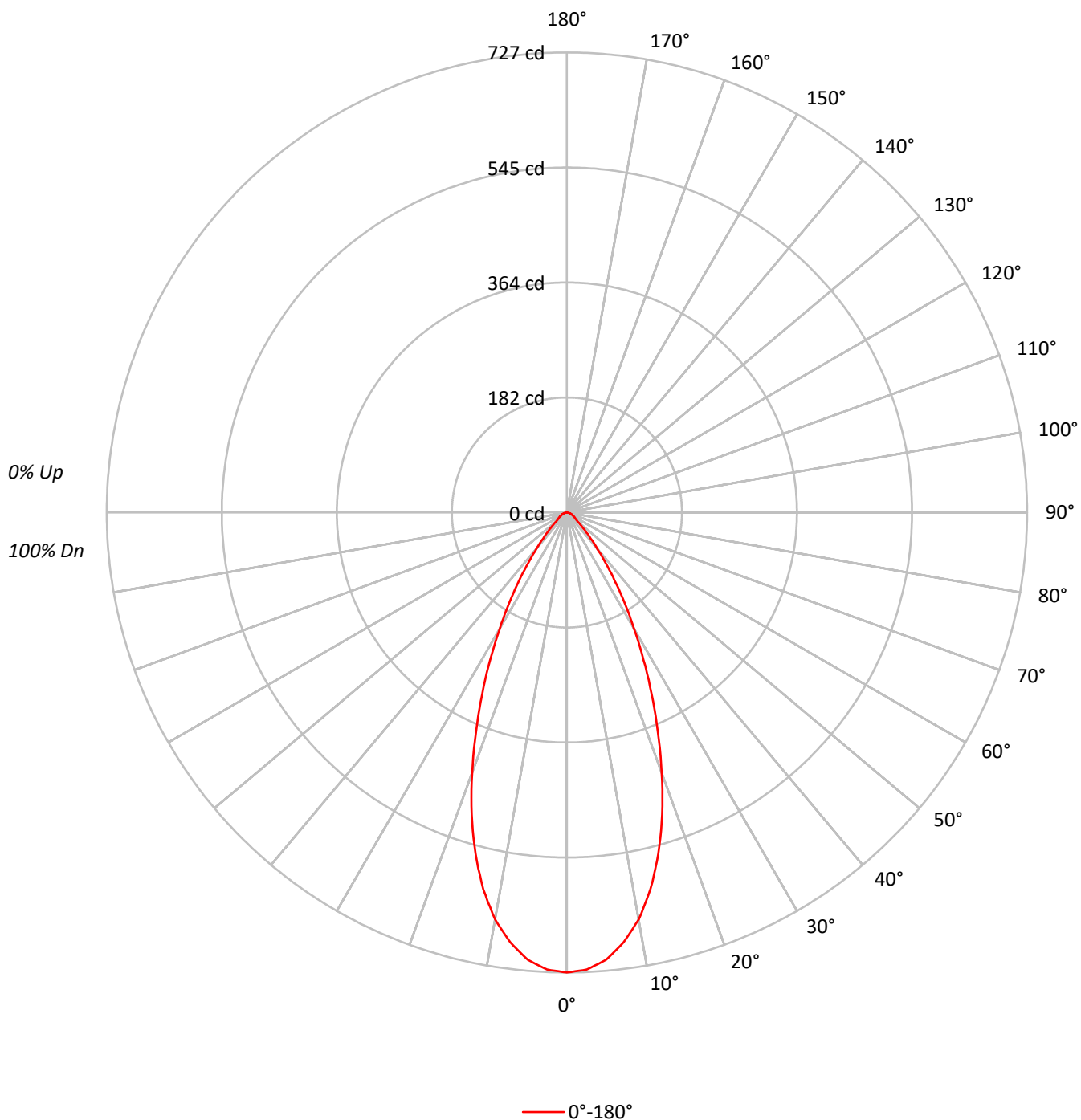
Lumens per Lamp: N/A
Luminaire Lumens: 512.0 lumens
Efficiency: N/A
Efficacy: 18.7 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272710

CATALOG NUMBER: P3AS20R409827D010 E3DLP1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1272710

CATALOG NUMBER: P3AS20R409827D010 E3DLP1GPH

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		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	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159417
5°	156196
10°	145421
15°	126743
20°	102162
25°	76577
30°	53831
35°	35255
40°	21354
45°	12746
50°	7607
55°	6117
60°	5482
65°	4722
70°	4488
75°	3558
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12746 cd/sqm

TEST NUMBER: P1272710

CATALOG NUMBER: P3AS20R409827D010 E3DLP1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	12.9
10°-20°	153.8	30.0
20°-30°	144.9	28.3
30°-40°	83.8	16.4
40°-50°	33.4	6.5
50°-60°	14.8	2.9
60°-70°	9.2	1.8
70°-80°	4.8	0.9
80°-90°	1.5	0.3
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°	364.6	71.2
0°-40°	448.4	87.6
0°-60°	496.6	97.0
0°-90°	512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	512.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	727	
5°	710	66
15°	558	154
25°	316	145
35°	132	84
45°	41	33
55°	16	15
65°	9	9
75°	4	5
85°	1	2
90°	0	

TEST NUMBER: P1272710

CATALOG NUMBER: P3AS20R409827D010 E3DLP1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	727.0
2.5°	722.9
5°	709.6
7.5°	685.2
10°	653.1
12.5°	609.9
15°	558.3
17.5°	500.5
20°	437.8
22.5°	375.0
25°	316.5
27.5°	262.1
30°	212.6
32.5°	169.4
35°	131.7
37.5°	99.7
40°	74.6
42.5°	55.8
45°	41.1
47.5°	30.0
50°	22.3
52.5°	18.1
55°	16.0
57.5°	14.6
60°	12.5
62.5°	10.5
65°	9.1
67.5°	7.7
70°	7.0
72.5°	5.6
75°	4.2
77.5°	3.5
80°	2.8
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)