

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: P1272758

Luminaire Tested: P3AS20R509827D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509827D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

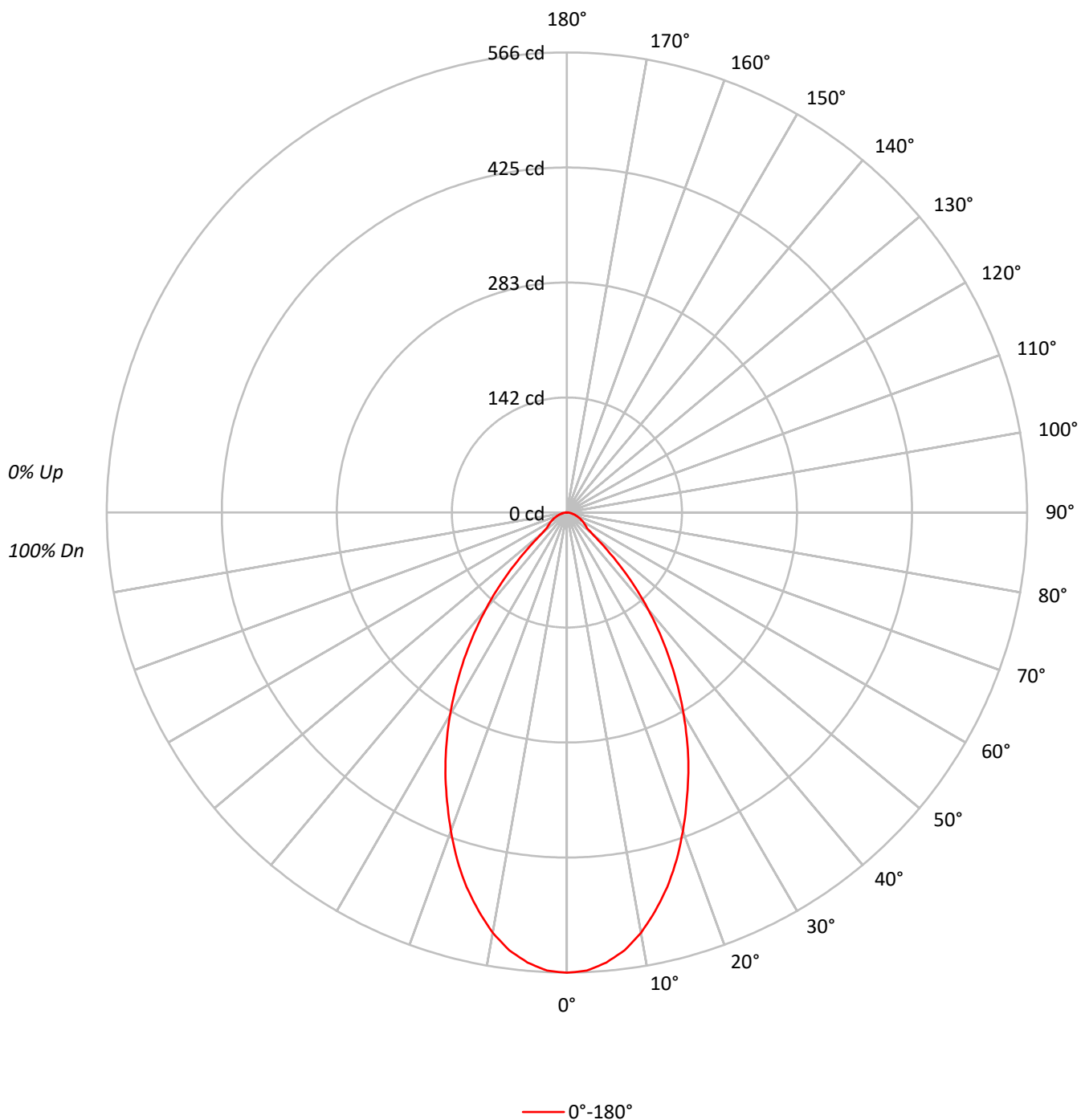
Lumens per Lamp: N/A
Luminaire Lumens: 611.0 lumens
Efficiency: N/A
Efficacy: 22.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272758

CATALOG NUMBER: P3AS20R509827D010 E3DLD1GPH

Luminous Intensity Polar Plot



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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124157
5°	122342
10°	116921
15°	108287
20°	97308
25°	85553
30°	72745
35°	58999
40°	44312
45°	28530
50°	13543
55°	10666
60°	10087
65°	9391
70°	8463
75°	7710
80°	7072
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28530 cd/sqm

TEST NUMBER: P1272758

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	8.5
10°-20°	133.0	21.8
20°-30°	161.6	26.4
30°-40°	137.0	22.4
40°-50°	71.2	11.6
50°-60°	25.7	4.2
60°-70°	17.7	2.9
70°-80°	9.7	1.6
80°-90°	3.0	0.5
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°	346.7	56.7
0°-40°	483.7	79.2
0°-60°	580.5	95.0
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	566	
5°	556	52
15°	477	133
25°	354	162
35°	220	137
45°	92	71
55°	28	26
65°	18	18
75°	9	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	566.2
2.5°	564.2
5°	555.8
7.5°	543.2
10°	525.1
12.5°	502.1
15°	477.0
17.5°	448.4
20°	417.0
22.5°	384.9
25°	353.6
27.5°	320.8
30°	287.3
32.5°	253.8
35°	220.4
37.5°	187.6
40°	154.8
42.5°	123.4
45°	92.0
47.5°	61.4
50°	39.7
52.5°	30.7
55°	27.9
57.5°	25.1
60°	23.0
62.5°	20.2
65°	18.1
67.5°	15.3
70°	13.2
72.5°	11.2
75°	9.1
77.5°	7.0
80°	5.6
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)