

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: P1272644

Luminaire Tested: P3AS20R309827D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309827D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

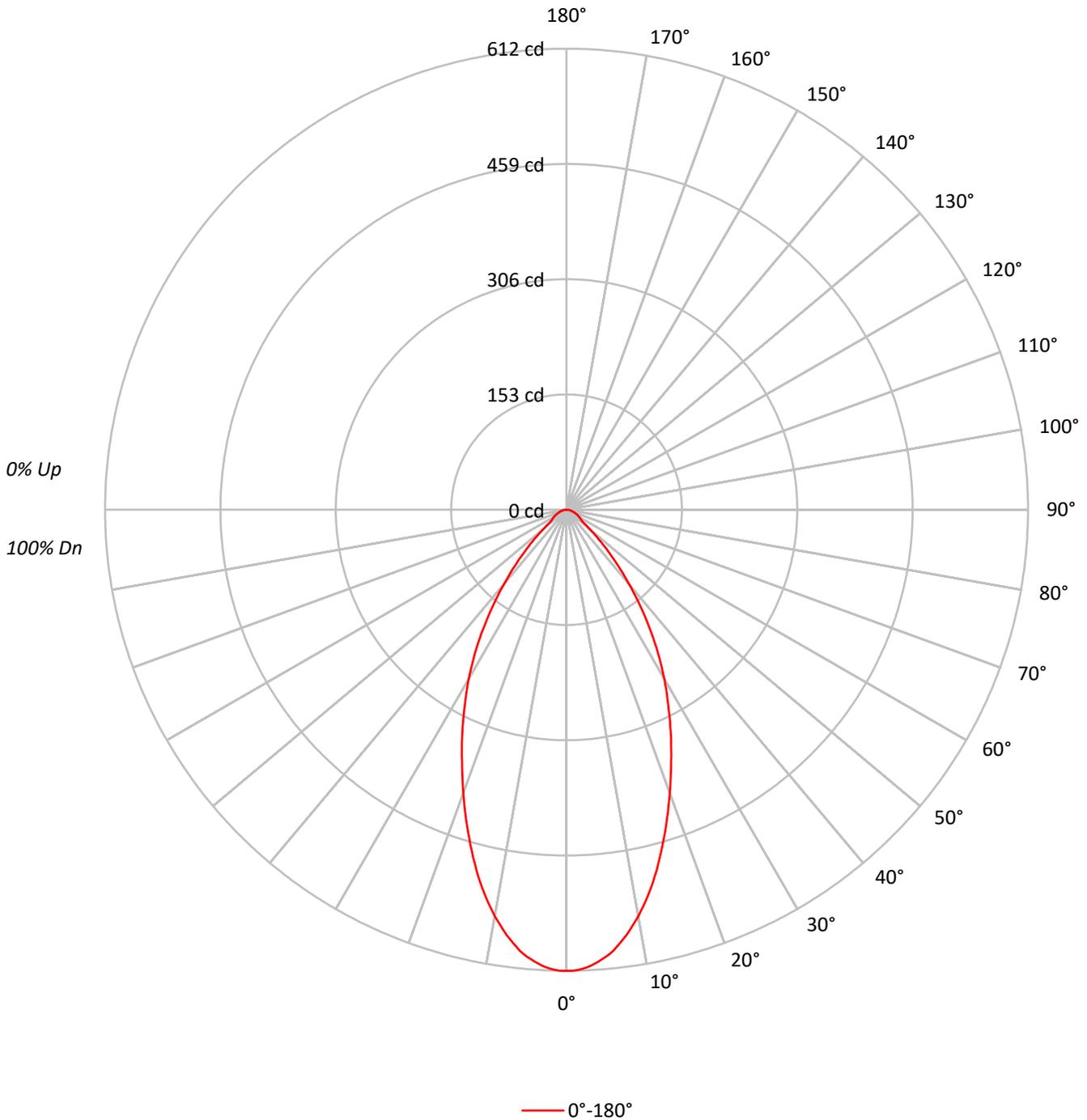
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 568.0 lumens
Efficiency: N/A
Efficacy: 20.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
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: P1272644
CATALOG NUMBER: P3AS20R309827D010 E3DLD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1272644

CATALOG NUMBER: P3AS20R309827D010 E3DLD1GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91	91	91	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83	83	83	83
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76	76	76	76
4	94	85	79	74	92	84	79	74	82	77	73	80	76	72	78	74	71	70	70	70	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64	64	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59	59	59	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55	55	55	55
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51	51	51	51
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48	48	48	48
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134200
5°	131168
10°	121975
15°	108536
20°	93365
25°	79093
30°	65656
35°	51504
40°	36898
45°	24220
50°	13782
55°	9061
60°	8552
65°	7939
70°	7181
75°	6524
80°	6188
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24220 cd/sqm



TEST NUMBER: P1272644
 CATALOG NUMBER: P3AS20R309827D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	9.7
10°-20°	132.9	23.4
20°-30°	149.8	26.4
30°-40°	119.6	21.1
40°-50°	61.5	10.8
50°-60°	23.1	4.1
60°-70°	15.1	2.7
70°-80°	8.2	1.4
80°-90°	2.4	0.4
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°	338.0	59.5
0°-40°	457.7	80.6
0°-60°	542.3	95.5
0°-90°	568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	612	
5°	596	55
15°	478	133
25°	327	150
35°	192	120
45°	78	61
55°	24	23
65°	15	15
75°	8	8
85°	2	2
90°	0	



TEST NUMBER: P1272644

CATALOG NUMBER: P3AS20R309827D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	612.0
1°	612.0
2°	609.9
3°	606.4
4°	601.5
5°	595.9
6°	589.0
7°	579.9
8°	570.1
9°	559.0
10°	547.8
11°	535.3
12°	522.0
13°	508.1
14°	493.5
15°	478.1
17.5°	439.1
20°	400.1
22.5°	362.4
25°	326.9
27.5°	292.0
30°	259.3
32.5°	225.8
35°	192.4
37.5°	159.6
40°	128.9
42.5°	101.8
45°	78.1
47.5°	57.9
50°	40.4
52.5°	28.6
55°	23.7
57.5°	21.6
60°	19.5
62.5°	17.4
65°	15.3
67.5°	13.2
70°	11.2
72.5°	9.1
75°	7.7
77.5°	6.3
80°	4.9
82.5°	3.5
85°	2.1
87.5°	0.7



TEST NUMBER: P1272644
CATALOG NUMBER: P3AS20R309827D010 E3DLD1GPH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)