

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: P1250094

Luminaire Tested: P3AS20R509027D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250094
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: P3AS20R509027D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

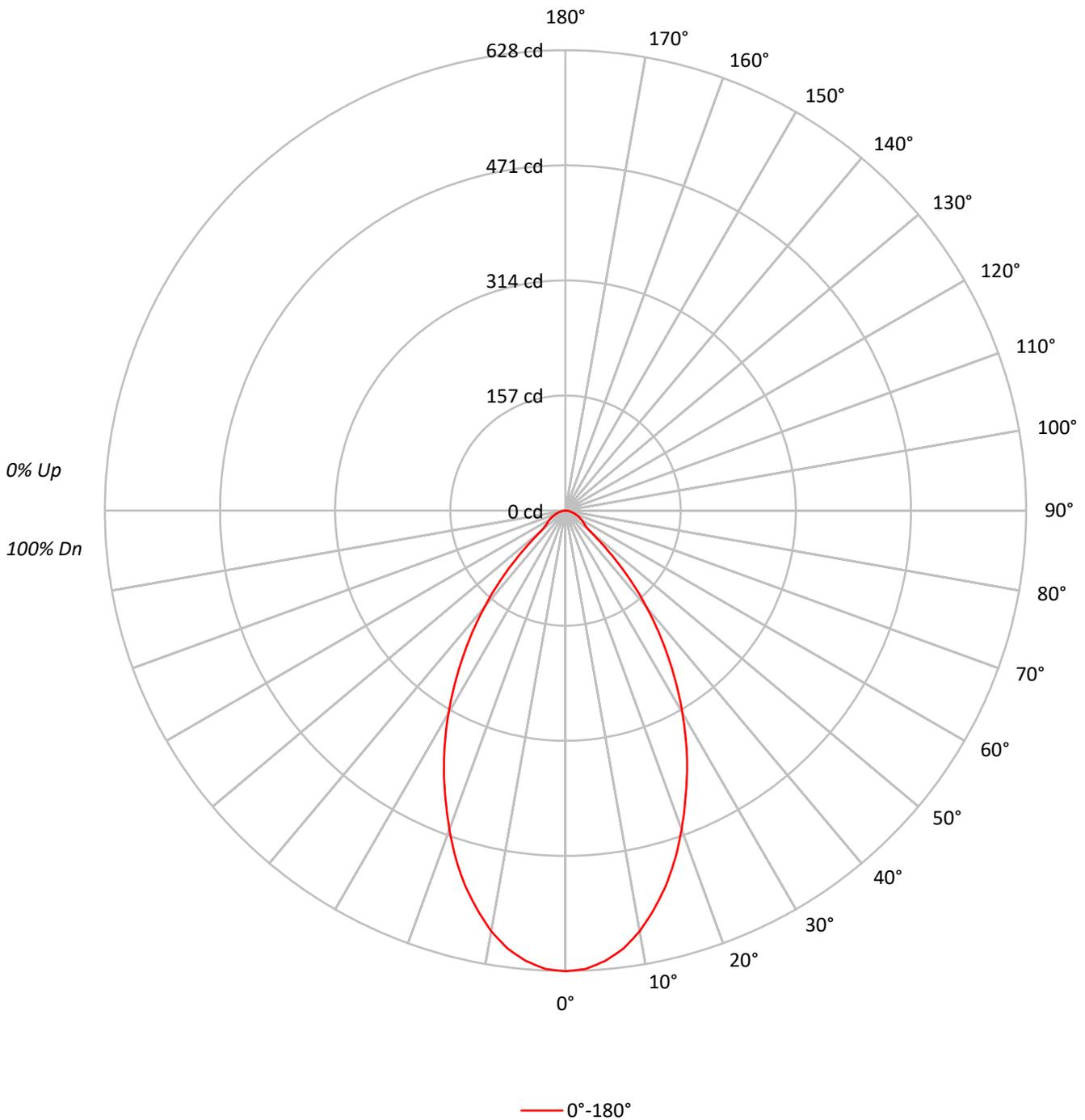
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 678.0 lumens
Efficiency: N/A
Efficacy: 23.5 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): 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: P1250094
CATALOG NUMBER: P3AS20R509027D010 E3DLD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1250094
 CATALOG NUMBER: P3AS20R509027D010 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
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137774
5°	135747
10°	129746
15°	120160
20°	107973
25°	94917
30°	80721
35°	65451
40°	49178
45°	31662
50°	15044
55°	11851
60°	11183
65°	10429
70°	9425
75°	8557
80°	7829
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31662 cd/sqm



TEST NUMBER: P1250094
 CATALOG NUMBER: P3AS20R509027D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	8.5
10°-20°	147.6	21.8
20°-30°	179.3	26.4
30°-40°	152.1	22.4
40°-50°	79.0	11.7
50°-60°	28.5	4.2
60°-70°	19.7	2.9
70°-80°	10.7	1.6
80°-90°	3.3	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°	384.7	56.7
0°-40°	536.7	79.2
0°-60°	644.2	95.0
0°-90°	678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	678.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	628	
5°	617	58
15°	529	148
25°	392	179
35°	244	152
45°	102	79
55°	31	29
65°	20	20
75°	10	11
85°	3	3
90°	0	



TEST NUMBER: P1250094
CATALOG NUMBER: P3AS20R509027D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	628.3
2.5°	626.0
5°	616.7
7.5°	602.8
10°	582.7
12.5°	557.1
15°	529.3
17.5°	497.6
20°	462.7
22.5°	427.1
25°	392.3
27.5°	356.0
30°	318.8
32.5°	281.7
35°	244.5
37.5°	208.2
40°	171.8
42.5°	137.0
45°	102.1
47.5°	68.1
50°	44.1
52.5°	34.0
55°	31.0
57.5°	27.9
60°	25.5
62.5°	22.4
65°	20.1
67.5°	17.0
70°	14.7
72.5°	12.4
75°	10.1
77.5°	7.7
80°	6.2
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)