

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: P1272759

Luminaire Tested: P3AS20R509827D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272759
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 E3DLD1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

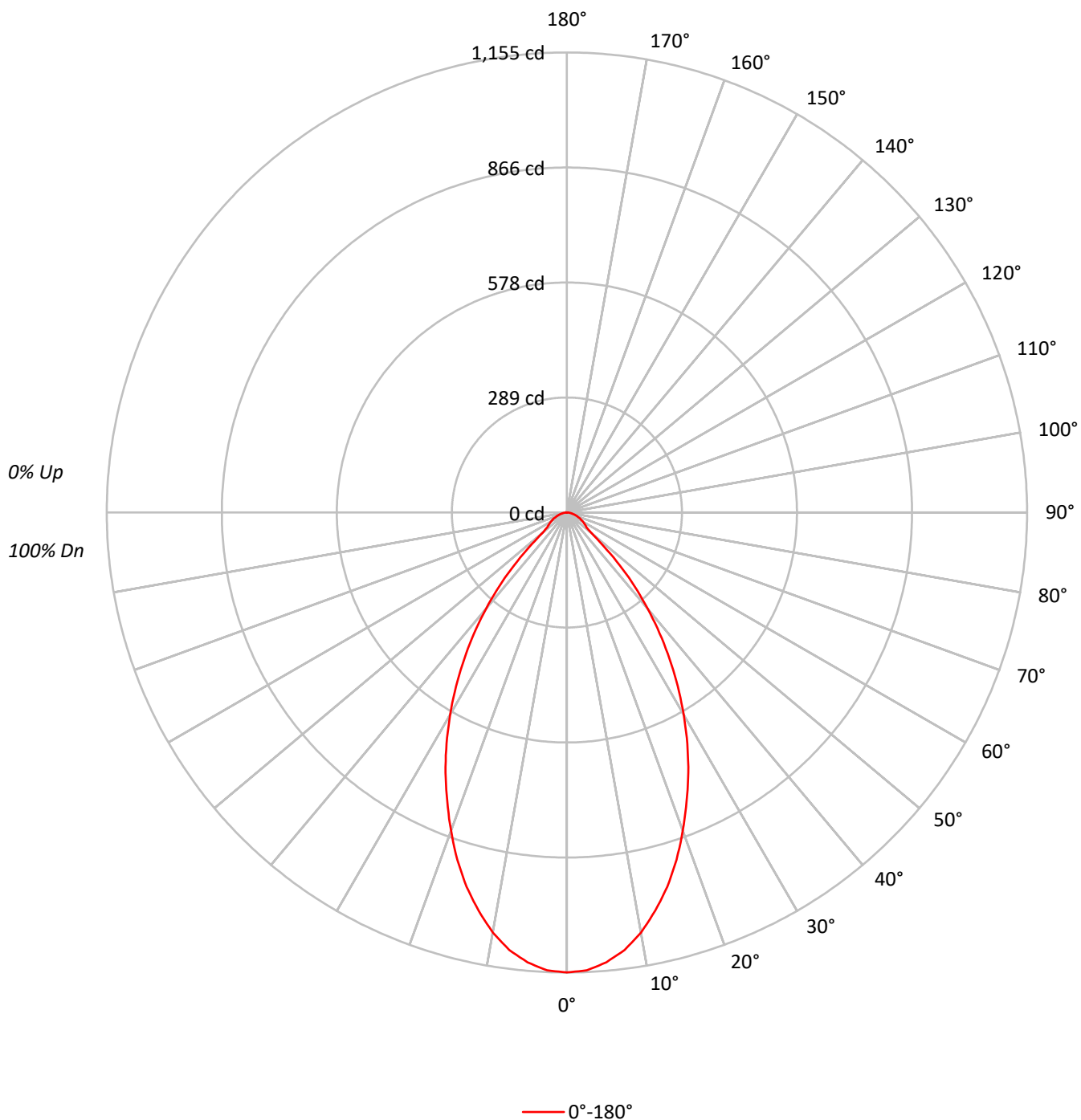
Lumens per Lamp: N/A
Luminaire Lumens: 1246.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1272759

CATALOG NUMBER: P3AS20R509827D010 E3DLD1H

Luminous Intensity Polar Plot





TEST NUMBER: P1272759

CATALOG NUMBER: P3AS20R509827D010 E3DLD1H

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°	253203
5°	249482
10°	238428
15°	220819
20°	198444
25°	174446
30°	148352
35°	120301
40°	90369
45°	58208
50°	27666
55°	21753
60°	20569
65°	19198
70°	17311
75°	15674
80°	14396
85°	14341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58208 cd/sqm

TEST NUMBER: P1272759

CATALOG NUMBER: P3AS20R509827D010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	8.5
10°-20°	271.2	21.8
20°-30°	329.5	26.4
30°-40°	279.4	22.4
40°-50°	145.1	11.6
50°-60°	52.4	4.2
60°-70°	36.2	2.9
70°-80°	19.7	1.6
80°-90°	6.2	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°	706.9	56.7
0°-40°	986.4	79.2
0°-60°	1183.9	95.0
0°-90°	1246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1155	
5°	1133	106
15°	973	271
25°	721	330
35°	449	279
45°	188	145
55°	57	52
65°	37	36
75°	18	20
85°	6	6
90°	0	

TEST NUMBER: P1272759

CATALOG NUMBER: P3AS20R509827D010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1154.7
2.5°	1150.5
5°	1133.4
7.5°	1107.8
10°	1070.8
12.5°	1023.9
15°	972.7
17.5°	914.4
20°	850.4
22.5°	785.0
25°	721.0
27.5°	654.2
30°	585.9
32.5°	517.6
35°	449.4
37.5°	382.5
40°	315.7
42.5°	251.7
45°	187.7
47.5°	125.1
50°	81.1
52.5°	62.6
55°	56.9
57.5°	51.2
60°	46.9
62.5°	41.2
65°	37.0
67.5°	31.3
70°	27.0
72.5°	22.8
75°	18.5
77.5°	14.2
80°	11.4
82.5°	8.5
85°	5.7
87.5°	2.8
90°	0.0

(END OF REPORT)