

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: P1272754

Luminaire Tested: P3AS20R509827D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509827D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

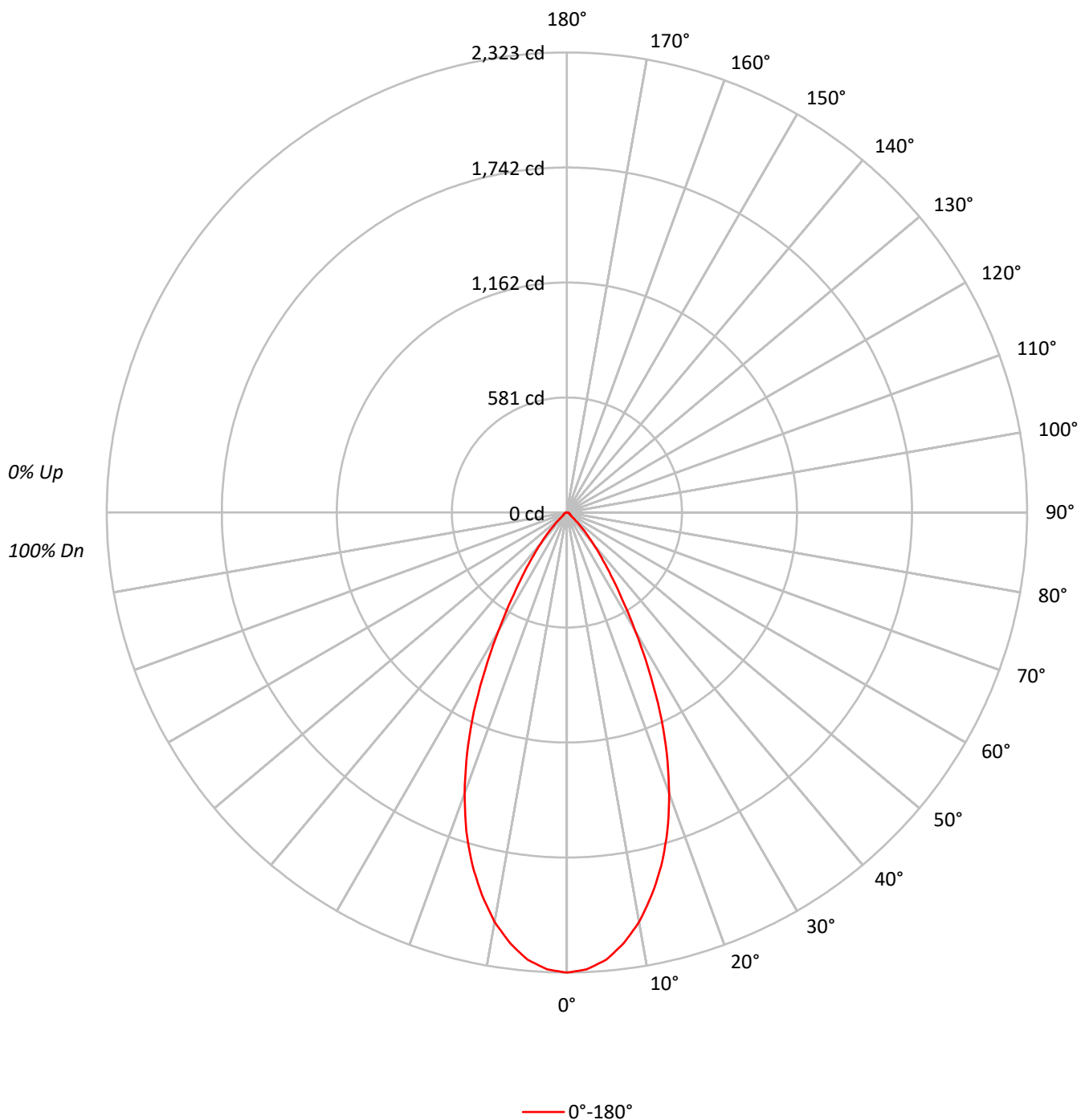
Lumens per Lamp: N/A
Luminaire Lumens: 1600.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272754

CATALOG NUMBER: P3AS20R509827D010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1272754

CATALOG NUMBER: P3AS20R509827D010 E3DL1LI

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	509411
5°	499140
10°	467549
15°	418550
20°	352224
25°	268806
30°	174710
35°	103570
40°	59855
45°	29988
50°	11155
55°	8717
60°	8113
65°	7368
70°	7309
75°	7202
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29988 cd/sqm

TEST NUMBER: P1272754

CATALOG NUMBER: P3AS20R509827D010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	13.2
10°-20°	509.9	31.9
20°-30°	500.2	31.3
30°-40°	252.0	15.7
40°-50°	79.6	5.0
50°-60°	20.6	1.3
60°-70°	14.6	0.9
70°-80°	9.0	0.6
80°-90°	3.1	0.2
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°	1221.0	76.3
0°-40°	1473.0	92.1
0°-60°	1573.3	98.3
0°-90°	1600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2323	
5°	2268	211
15°	1844	510
25°	1111	500
35°	387	252
45°	97	80
55°	23	21
65°	14	15
75°	8	9
85°	3	3
90°	0	

TEST NUMBER: P1272754

CATALOG NUMBER: P3AS20R509827D010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2323.1
2.5°	2308.9
5°	2267.6
7.5°	2193.6
10°	2099.8
12.5°	1978.8
15°	1843.7
17.5°	1687.2
20°	1509.4
22.5°	1317.3
25°	1111.0
27.5°	892.0
30°	690.0
32.5°	519.2
35°	386.9
37.5°	285.9
40°	209.1
42.5°	148.0
45°	96.7
47.5°	55.5
50°	32.7
52.5°	24.2
55°	22.8
57.5°	19.9
60°	18.5
62.5°	17.1
65°	14.2
67.5°	12.8
70°	11.4
72.5°	10.0
75°	8.5
77.5°	7.1
80°	5.7
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)