

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: P1271029

Luminaire Tested: P3AS02R509827DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271029
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: P3AS02R509827DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

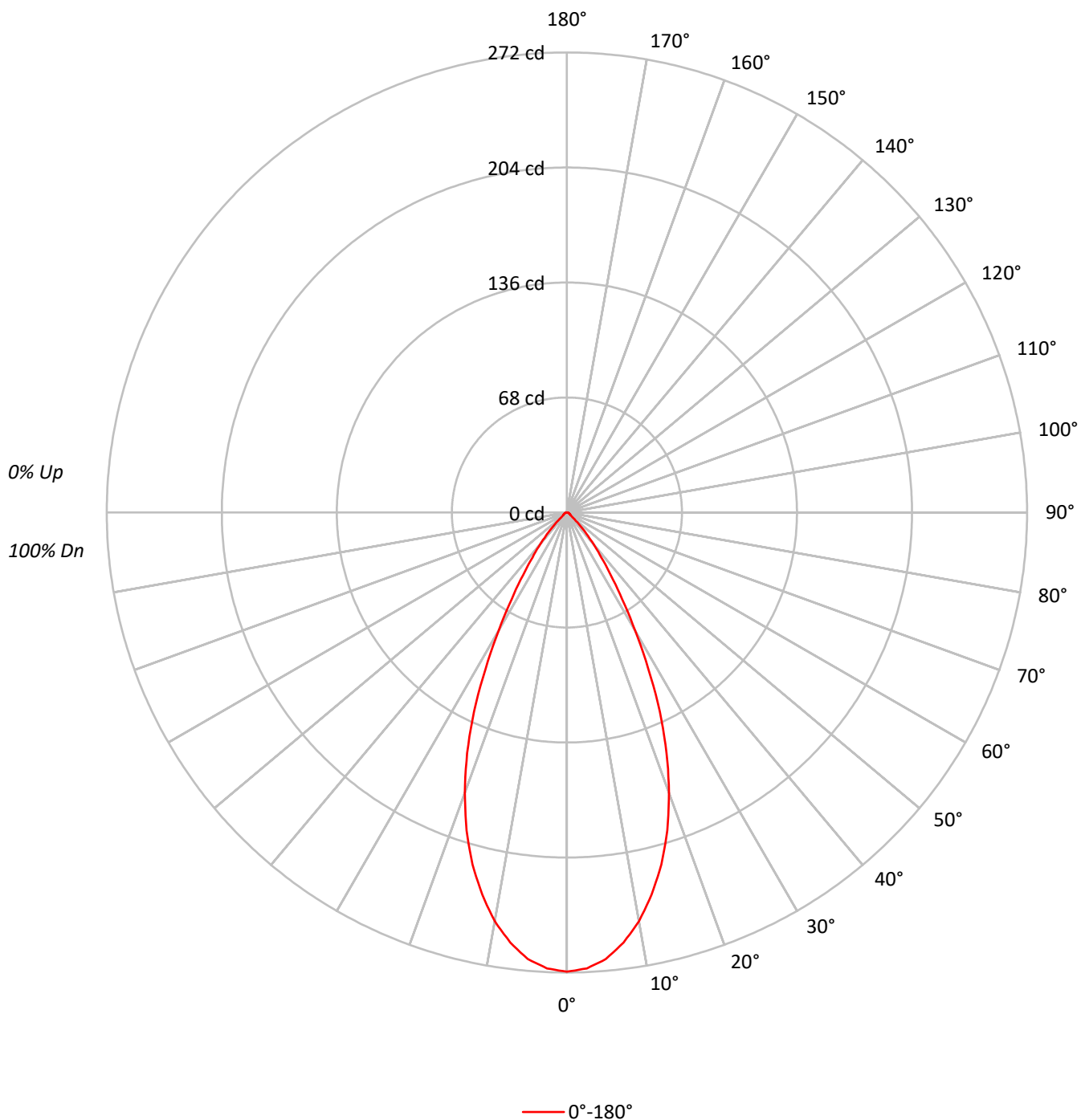
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1271029

CATALOG NUMBER: P3AS02R509827DE010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1271029

CATALOG NUMBER: P3AS02R509827DE010 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°	59535
5°	58331
10°	54642
15°	48922
20°	41164
25°	31429
30°	20408
35°	12100
40°	6985
45°	3504
50°	1296
55°	1032
60°	965
65°	882
70°	833
75°	847
80°	884
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3504 cd/sqm

TEST NUMBER: P1271029

CATALOG NUMBER: P3AS02R509827DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	13.2
10°-20°	59.6	31.9
20°-30°	58.5	31.3
30°-40°	29.4	15.7
40°-50°	9.3	5.0
50°-60°	2.4	1.3
60°-70°	1.7	0.9
70°-80°	1.1	0.6
80°-90°	0.4	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°	142.7	76.3
0°-40°	172.2	92.1
0°-60°	183.9	98.3
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	272	
5°	265	25
15°	216	60
25°	130	58
35°	45	29
45°	11	9
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1271029

CATALOG NUMBER: P3AS02R509827DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	271.5
2.5°	269.8
5°	265.0
7.5°	256.4
10°	245.4
12.5°	231.3
15°	215.5
17.5°	197.2
20°	176.4
22.5°	154.0
25°	129.9
27.5°	104.2
30°	80.6
32.5°	60.7
35°	45.2
37.5°	33.4
40°	24.4
42.5°	17.3
45°	11.3
47.5°	6.5
50°	3.8
52.5°	2.8
55°	2.7
57.5°	2.3
60°	2.2
62.5°	2.0
65°	1.7
67.5°	1.5
70°	1.3
72.5°	1.2
75°	1.0
77.5°	0.8
80°	0.7
82.5°	0.5
85°	0.3
87.5°	0.2
90°	0.0

(END OF REPORT)