

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: P1271034

Luminaire Tested: P3AS02R509827DE010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271034
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: P3AS02R509827DE010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

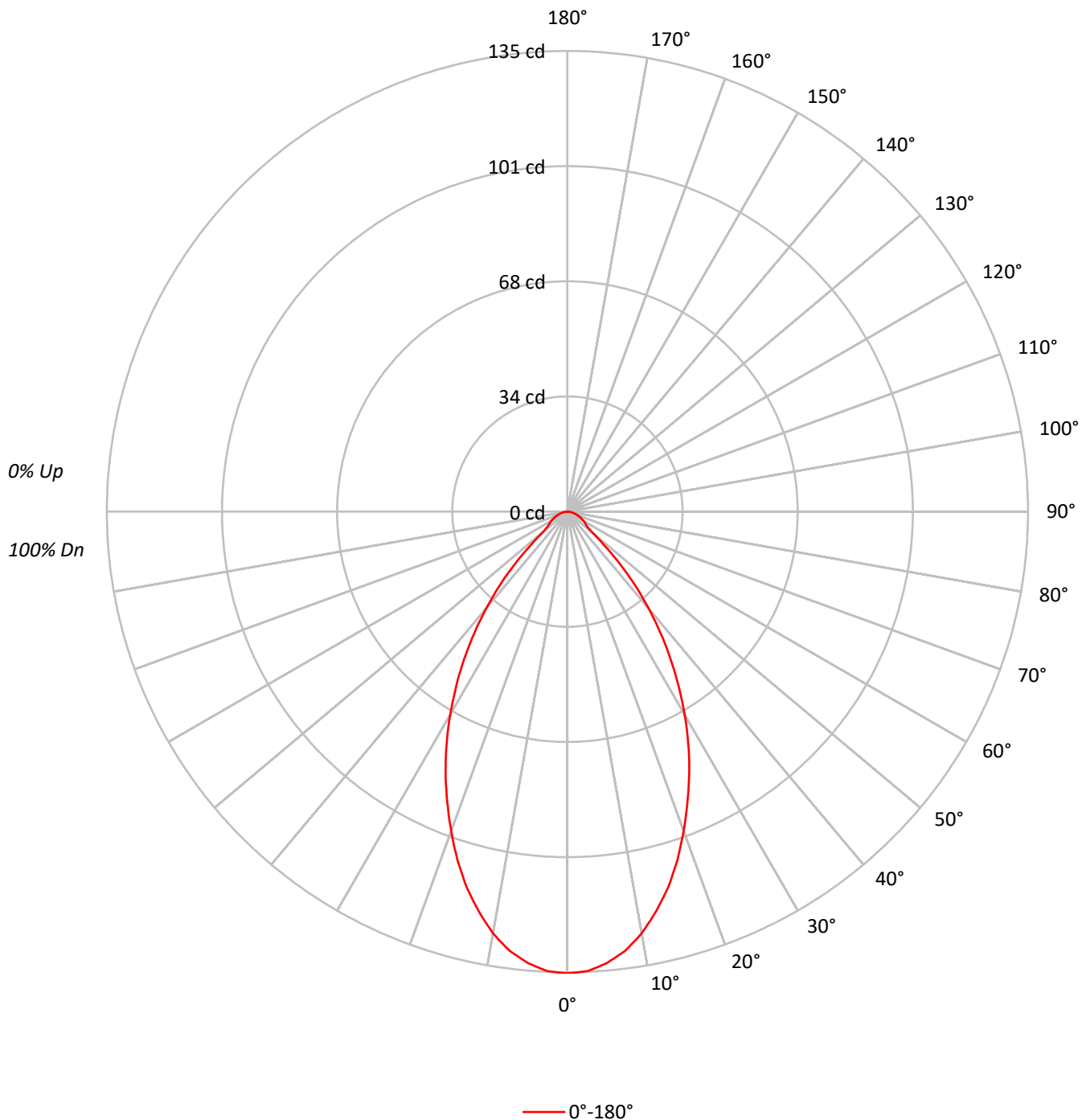
Lumens per Lamp: N/A
Luminaire Lumens: 146.1 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1271034

CATALOG NUMBER: P3AS02R509827DE010 E3DLD1H

Luminous Intensity Polar Plot



TEST NUMBER: P1271034

CATALOG NUMBER: P3AS02R509827DE010 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°	29669
5°	29232
10°	27944
15°	25880
20°	23242
25°	20445
30°	17395
35°	14107
40°	10591
45°	6822
50°	3241
55°	2561
60°	2412
65°	2231
70°	2052
75°	1864
80°	1642
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6822 cd/sqm

TEST NUMBER: P1271034

CATALOG NUMBER: P3AS02R509827DE010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	8.5
10°-20°	31.8	21.8
20°-30°	38.6	26.4
30°-40°	32.8	22.4
40°-50°	17.0	11.7
50°-60°	6.1	4.2
60°-70°	4.2	2.9
70°-80°	2.3	1.6
80°-90°	0.7	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°	82.8	56.7
0°-40°	115.6	79.1
0°-60°	138.8	95.0
0°-90°	146.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	146.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	135	
5°	133	12
15°	114	32
25°	84	39
35°	53	33
45°	22	17
55°	7	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

TEST NUMBER: P1271034

CATALOG NUMBER: P3AS02R509827DE010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	135.3
2.5°	134.8
5°	132.8
7.5°	129.8
10°	125.5
12.5°	120.0
15°	114.0
17.5°	107.1
20°	99.6
22.5°	92.0
25°	84.5
27.5°	76.7
30°	68.7
32.5°	60.7
35°	52.7
37.5°	44.8
40°	37.0
42.5°	29.5
45°	22.0
47.5°	14.7
50°	9.5
52.5°	7.3
55°	6.7
57.5°	6.0
60°	5.5
62.5°	4.8
65°	4.3
67.5°	3.7
70°	3.2
72.5°	2.7
75°	2.2
77.5°	1.7
80°	1.3
82.5°	1.0
85°	0.7
87.5°	0.3
90°	0.0

(END OF REPORT)