

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: P1272003

Luminaire Tested: P3AS13R409827DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R409827DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

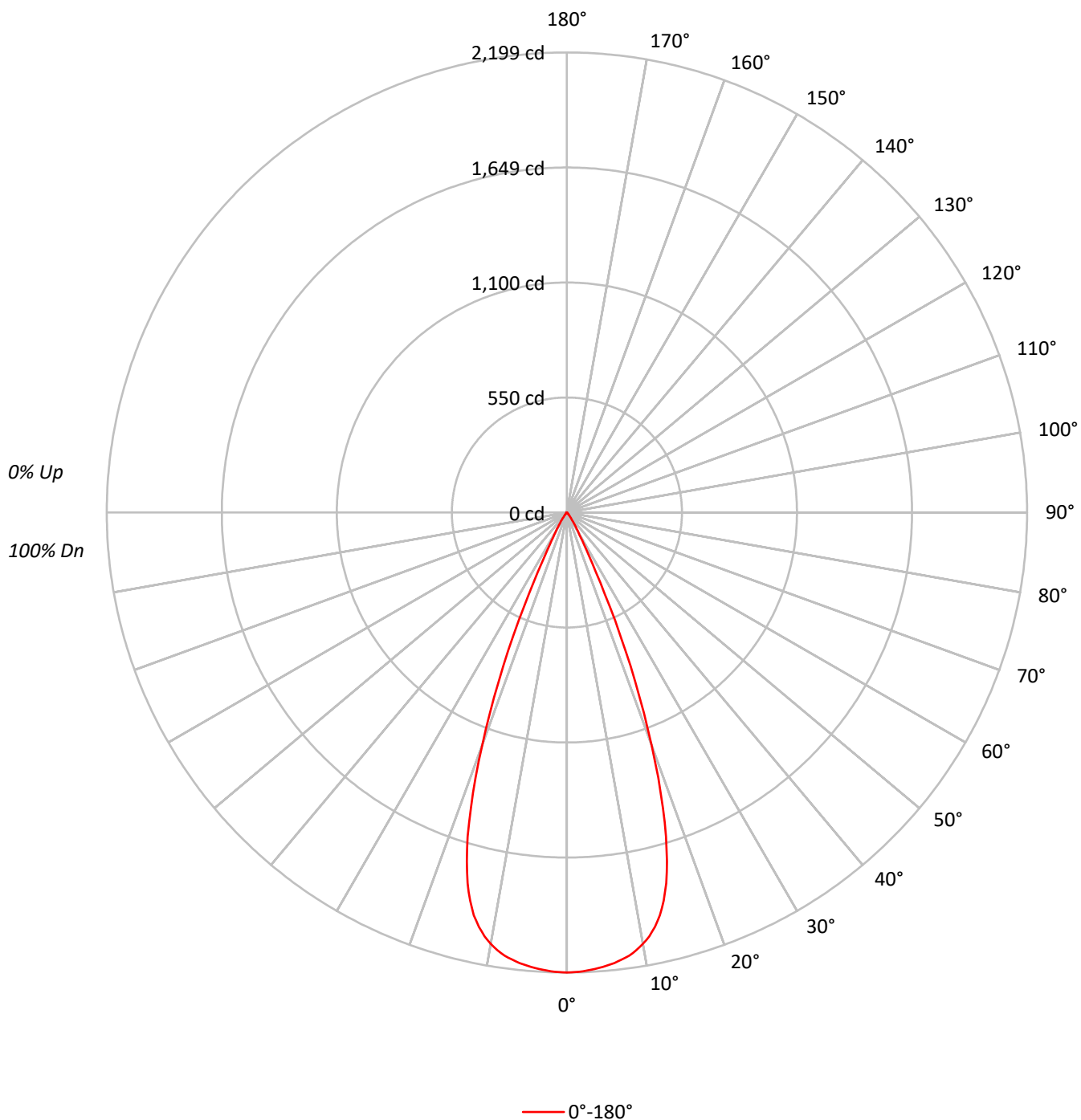
Lumens per Lamp: N/A
Luminaire Lumens: 946.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1272003

CATALOG NUMBER: P3AS13R409827DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1272003

CATALOG NUMBER: P3AS13R409827DE010 E3D1H

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73		
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70		
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	482198
5°	478713
10°	466190
15°	416438
20°	276127
25°	103433
30°	27675
35°	10815
40°	3893
45°	1861
50°	580
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1861 cd/sqm

TEST NUMBER: P1272003

CATALOG NUMBER: P3AS13R409827DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	21.7
10°-20°	486.1	51.4
20°-30°	220.4	23.3
30°-40°	28.6	3.0
40°-50°	4.9	0.5
50°-60°	0.6	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	911.7	96.4
0°-40°	940.3	99.4
0°-60°	945.8	100.0
0°-90°	946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2199	
5°	2175	205
15°	1834	486
25°	428	220
35°	40	29
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272003

CATALOG NUMBER: P3AS13R409827DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2199.0
1°	2197.7
2°	2194.4
3°	2189.4
4°	2183.1
5°	2174.8
6°	2165.2
7°	2153.3
8°	2138.7
9°	2118.9
10°	2093.7
11°	2064.2
12°	2024.8
13°	1976.1
14°	1912.5
15°	1834.4
16°	1734.7
17°	1621.1
18°	1484.7
19°	1340.6
20°	1183.3
21°	1026.0
22°	871.0
23°	716.7
24°	565.0
25°	427.5
26°	316.6
27°	231.8
28°	174.2
29°	135.5
30°	109.3
31°	90.4
32°	75.5
32.5°	68.9
33°	62.3
34°	50.7
35°	40.4
36°	31.8
37°	25.2
37.5°	22.5
38°	19.9
39°	16.6
40°	13.6
42.5°	8.9
45°	6.0

TEST NUMBER: P1272003

CATALOG NUMBER: P3AS13R409827DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.6
50°	1.7
52.5°	0.7
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)