

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: P1272345

Luminaire Tested: P3AS17R409827DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R409827DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

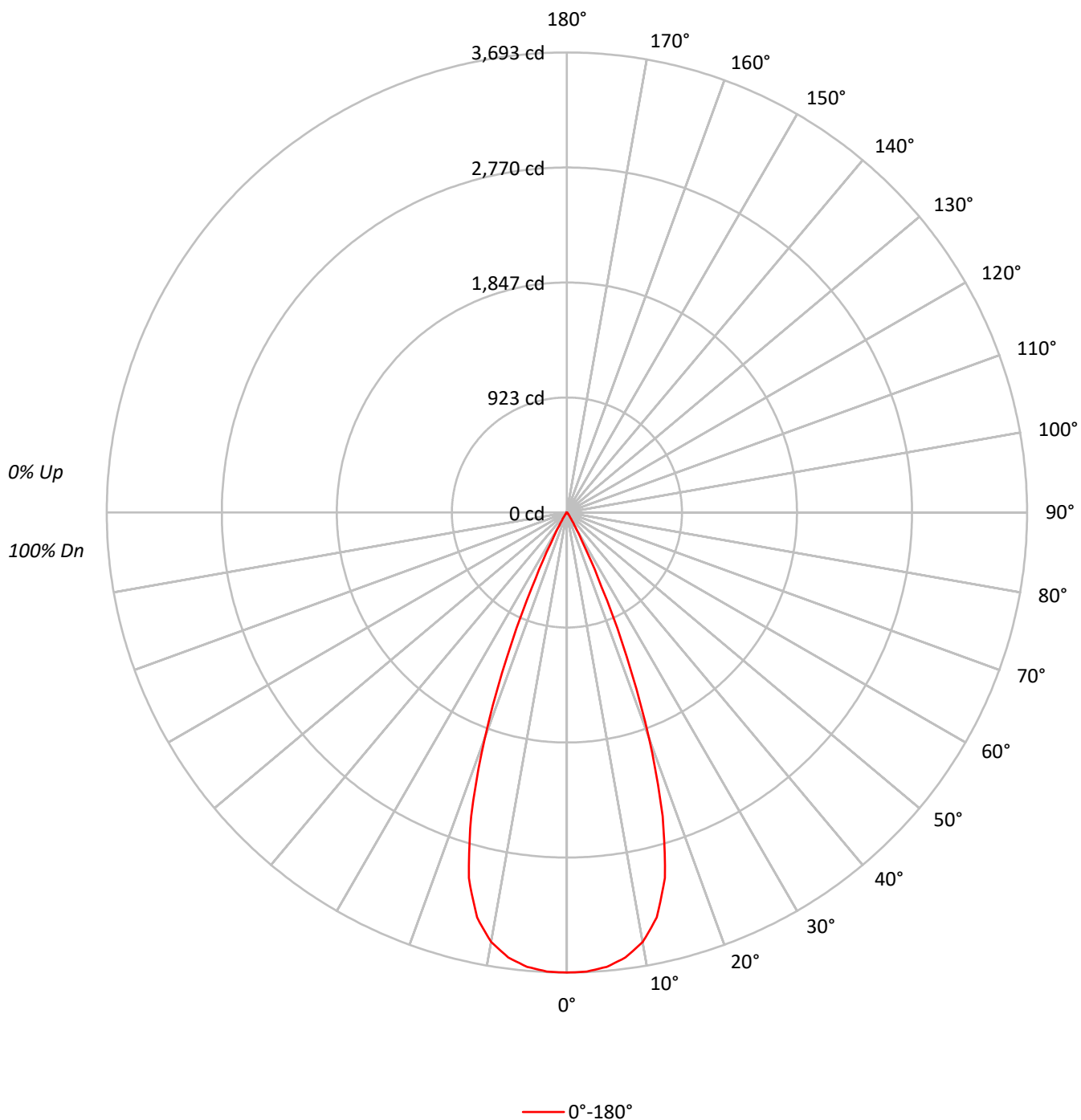
Lumens per Lamp: N/A
Luminaire Lumens: 1538.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1272345

CATALOG NUMBER: P3AS17R409827DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1272345

CATALOG NUMBER: P3AS17R409827DE010 E3CD1MB

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	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85		
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	809804
5°	805897
10°	779634
15°	689766
20°	450046
25°	159420
30°	33803
35°	11136
40°	4065
45°	1364
50°	1126
55°	1262
60°	965
65°	1141
70°	705
75°	932
80°	1389
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 1848 cd/sqm

TEST NUMBER: P1272345

CATALOG NUMBER: P3AS17R409827DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	22.4
10°-20°	802.3	52.2
20°-30°	348.1	22.6
30°-40°	32.1	2.1
40°-50°	4.6	0.3
50°-60°	2.8	0.2
60°-70°	2.0	0.1
70°-80°	1.2	0.1
80°-90°	0.4	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°	1494.9	97.2
0°-40°	1527.0	99.3
0°-60°	1534.4	99.8
0°-90°	1538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3693	
5°	3661	344
15°	3038	802
25°	659	348
35°	42	32
45°	4	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1272345

CATALOG NUMBER: P3AS17R409827DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3693.0
2.5°	3688.6
5°	3661.2
7.5°	3603.2
10°	3501.4
12.5°	3329.6
15°	3038.4
17.5°	2555.7
20°	1928.6
22.5°	1252.1
25°	658.9
27.5°	283.5
30°	133.5
32.5°	72.2
35°	41.6
37.5°	25.2
40°	14.2
42.5°	7.7
45°	4.4
47.5°	3.3
50°	3.3
52.5°	3.3
55°	3.3
57.5°	3.3
60°	2.2
62.5°	2.2
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)