

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: P1247899

Luminaire Tested: P3AS02R089027DE010 E3PH1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2408-211-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R089027DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R08 optic, 2700K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

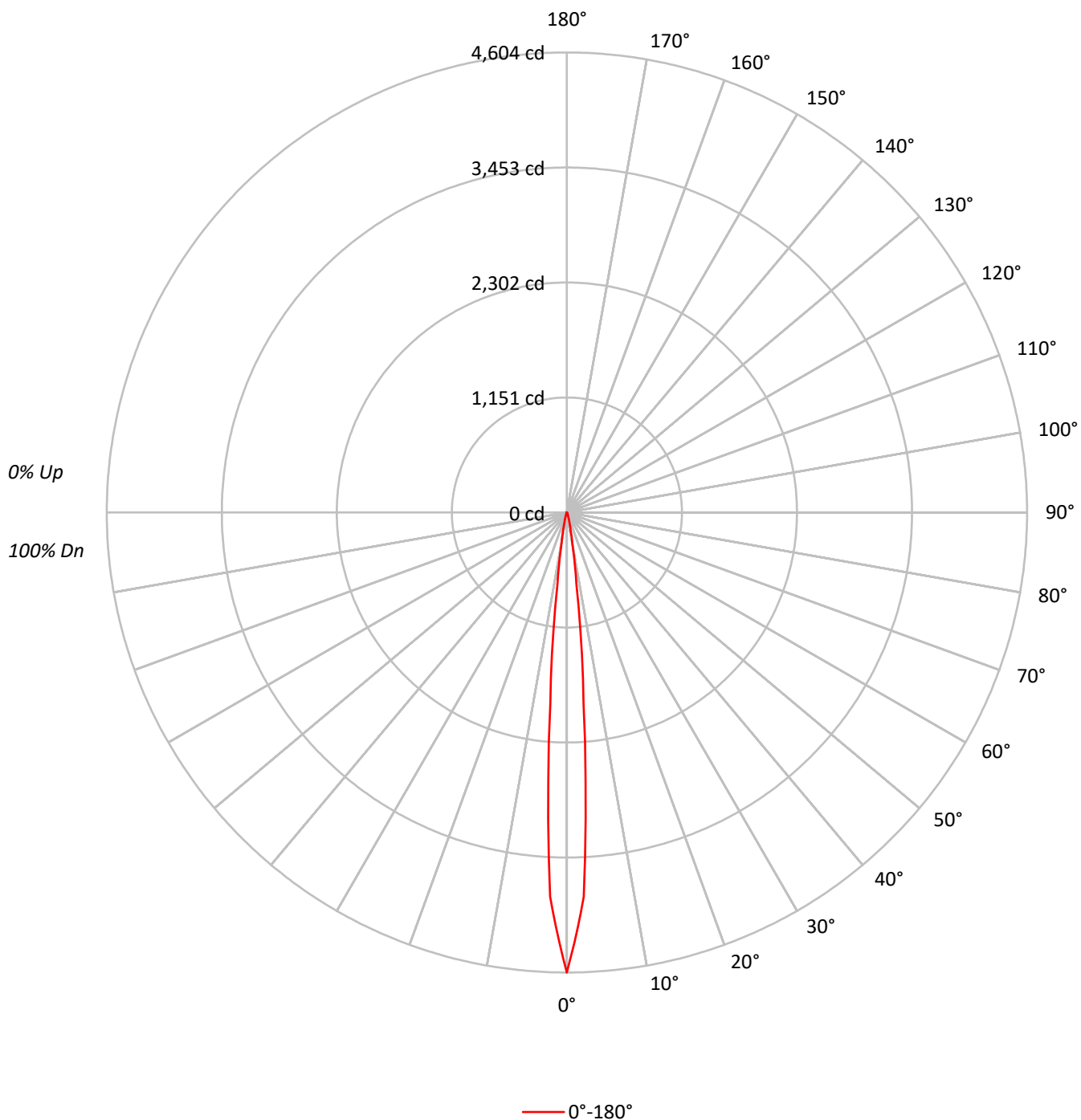
Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.16 / 0.16 / 0.16
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 4.9
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: P1247899

CATALOG NUMBER: P3AS02R089027DE010 E3PH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1247899

CATALOG NUMBER: P3AS02R089027DE010 E3PH1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	116	114	113	111	114	112	111	110	108	107	106		105	104	103		99
2	113	111	108	106	111	109	107	105	106	104	103		103	102	101		97
3	111	108	105	103	109	106	104	102	104	102	100		102	100	99		96
4	109	105	102	100	108	104	101	99	102	100	98		100	99	97		95
5	107	103	100	98	106	102	99	97	101	98	97		99	97	96		94
6	105	101	98	96	104	100	98	96	99	97	95		98	96	95		93
7	104	100	97	95	103	99	96	94	98	96	94		97	95	94		92
8	103	98	95	93	102	98	95	93	97	95	93		96	94	93		92
9	101	97	94	92	101	97	94	92	96	94	92		95	93	92		91
10	100	96	93	91	100	96	93	91	95	93	91		94	92	91		90

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1009546
5°	420976
10°	67756
15°	19410
20°	6534
25°	2879
30°	1595
35°	1124
40°	1002
45°	651
50°	478
55°	268
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 651 cd/sqm

TEST NUMBER: P1247899

CATALOG NUMBER: P3AS02R089027DE010 E3PH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	77.1
10°-20°	28.7	16.1
20°-30°	6.2	3.5
30°-40°	2.7	1.5
40°-50°	1.7	0.9
50°-60°	0.7	0.4
60°-70°	0.6	0.3
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°	172.3	96.8
0°-40°	175.0	98.3
0°-60°	177.4	99.7
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4604	
5°	1912	137
15°	86	29
25°	12	6
35°	4	3
45°	2	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1247899

CATALOG NUMBER: P3AS02R089027DE010 E3PH1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4603.9
2.5°	3848.2
5°	1912.5
7.5°	713.0
10°	304.3
12.5°	157.0
15°	85.5
17.5°	48.4
20°	28.0
22.5°	18.2
25°	11.9
27.5°	9.1
30°	6.3
32.5°	4.9
35°	4.2
37.5°	3.5
40°	3.5
42.5°	2.8
45°	2.1
47.5°	1.4
50°	1.4
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
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)