

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: P1249933

Luminaire Tested: P3AS20R259027D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R259027D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

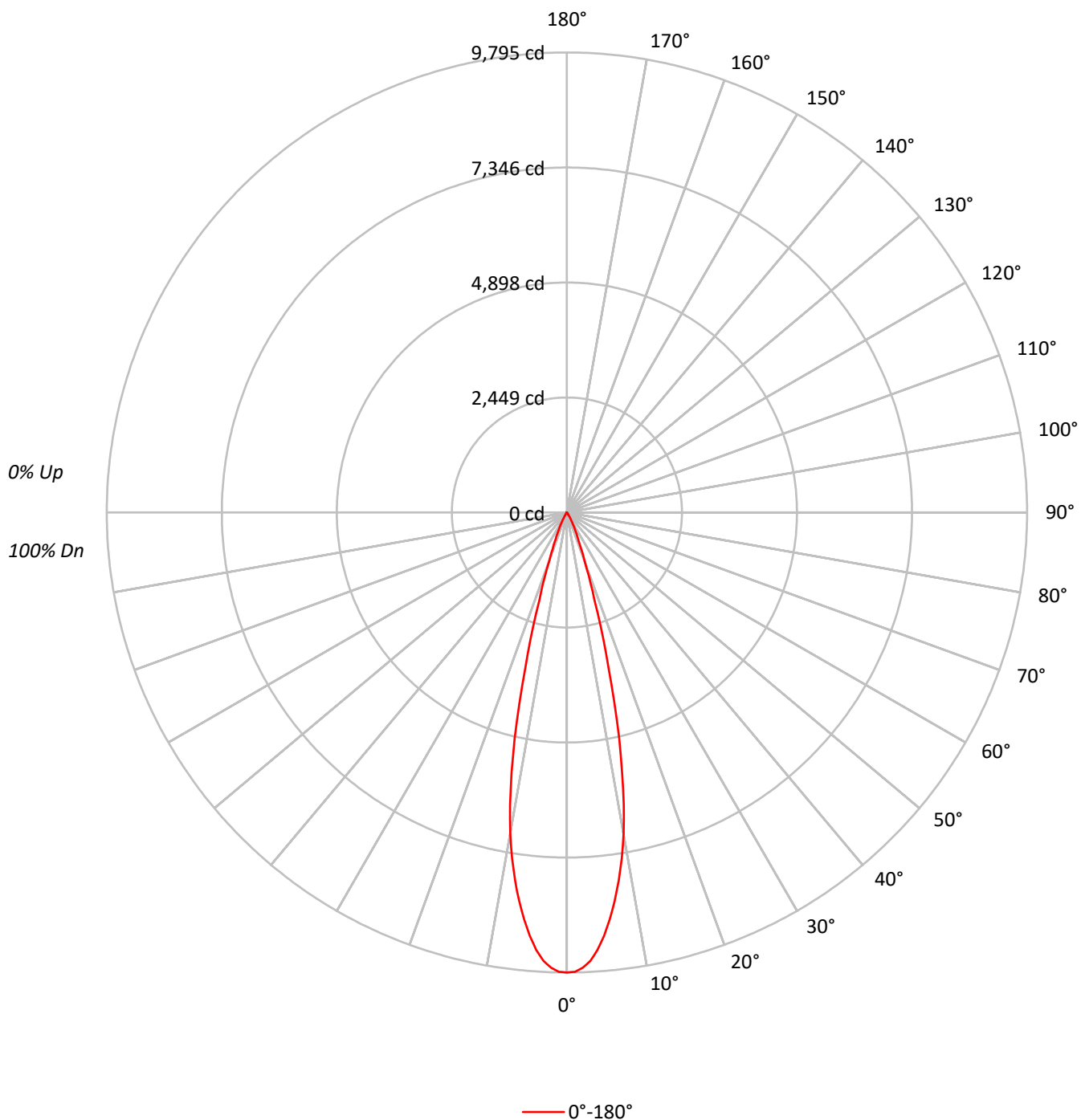
Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1249933

CATALOG NUMBER: P3AS20R259027D010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1249933

CATALOG NUMBER: P3AS20R259027D010 E3CB1MW

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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85	85	85
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	83	83	83	83
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	81	81	81	81
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79	79	79
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2147920
5°	1992137
10°	1544928
15°	774670
20°	254495
25°	101207
30°	37955
35°	10975
40°	4981
45°	1954
50°	1603
55°	1223
60°	1403
65°	1660
70°	1026
75°	1356
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 80°
Luminance: 2020 cd/sqm

TEST NUMBER: P1249933

CATALOG NUMBER: P3AS20R259027D010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.0	39.6
10°-20°	949.7	47.3
20°-30°	214.1	10.7
30°-40°	34.7	1.7
40°-50°	6.3	0.3
50°-60°	3.4	0.2
60°-70°	3.0	0.1
70°-80°	1.7	0.1
80°-90°	0.2	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°	1959.9	97.6
0°-40°	1994.5	99.3
0°-60°	2004.2	99.8
0°-90°	2009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9795	
5°	9050	796
15°	3412	950
25°	418	214
35°	41	35
45°	6	6
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1249933

CATALOG NUMBER: P3AS20R259027D010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	9795.3
1°	9779.5
2°	9700.6
3°	9555.4
4°	9336.0
5°	9050.3
6°	8709.4
7°	8340.0
8°	7917.0
9°	7454.6
10°	6938.4
11°	6343.4
12°	5658.4
13°	4941.8
14°	4173.2
15°	3412.4
17.5°	1944.5
20°	1090.6
22.5°	658.2
25°	418.3
27.5°	257.3
30°	149.9
32.5°	78.9
35°	41.0
37.5°	26.8
40°	17.4
42.5°	11.0
45°	6.3
47.5°	4.7
50°	4.7
52.5°	4.7
55°	3.2
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	3.2
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1249933

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)