

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: P1270477

Luminaire Tested: P3AS20R209740D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209740D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

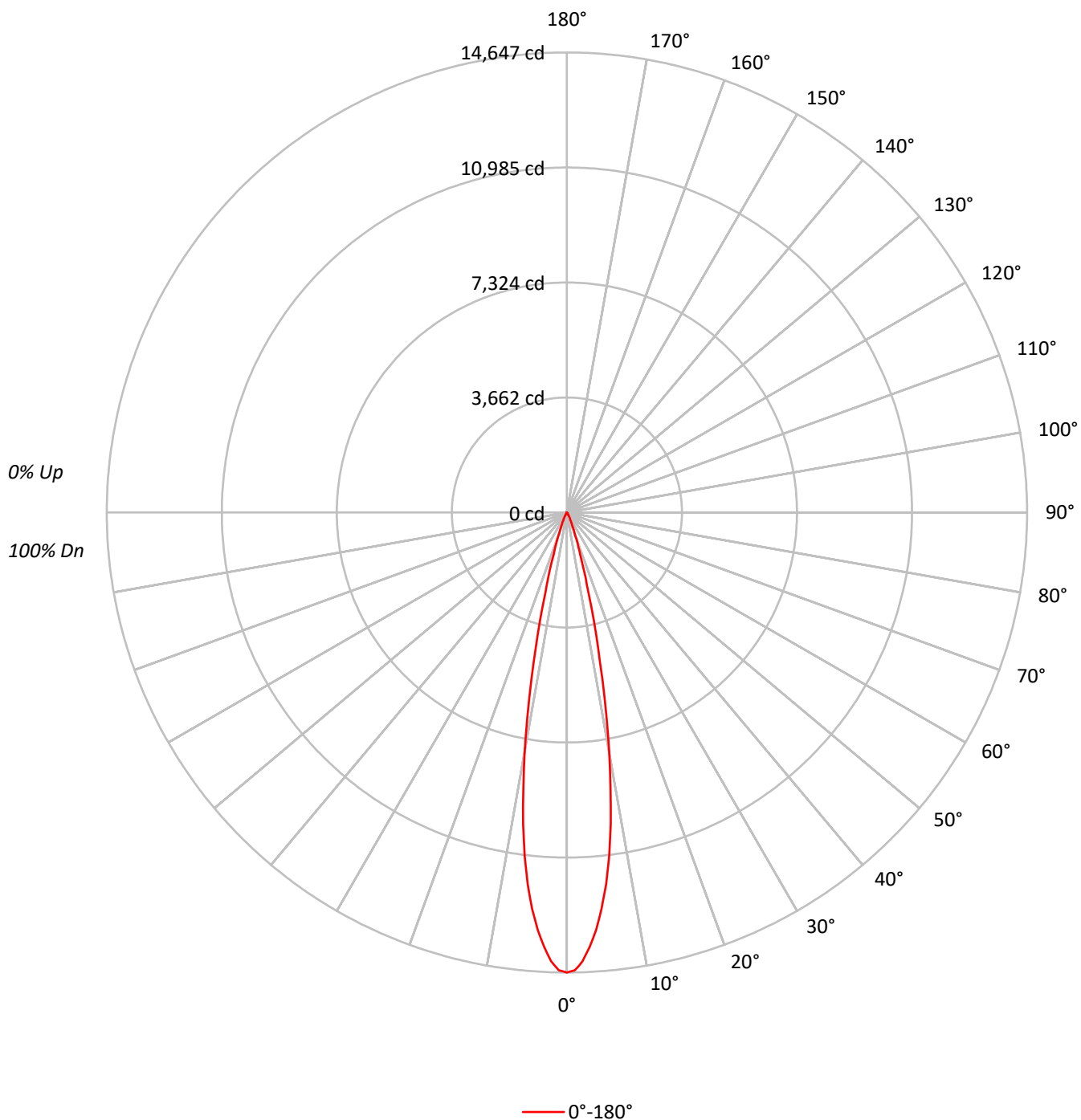
Lumens per Lamp: N/A
Luminaire Lumens: 2068.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270477

CATALOG NUMBER: P3AS20R209740D010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270477

CATALOG NUMBER: P3AS20R209740D010 E3CD1MW

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	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101
2	112	109	107	104	110	108	105	103	104	103	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97
4	107	102	99	96	105	101	98	96	99	97	95		97	95	93		96
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3211848
5°	2787776
10°	1722547
15°	598278
20°	183743
25°	64963
30°	24029
35°	9637
40°	5153
45°	2016
50°	1126
55°	1262
60°	1447
65°	830
70°	1026
75°	1356
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2016 cd/sqm

TEST NUMBER: P1270477

CATALOG NUMBER: P3AS20R209740D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1051.1	50.8
10°-20°	834.0	40.3
20°-30°	144.4	7.0
30°-40°	26.3	1.3
40°-50°	6.0	0.3
50°-60°	3.0	0.1
60°-70°	1.8	0.1
70°-80°	1.5	0.1
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°	2029.5	98.1
0°-40°	2055.7	99.4
0°-60°	2064.7	99.8
0°-90°	2068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2068.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14647	
5°	12665	###
15°	2635	834
25°	268	144
35°	36	26
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1270477

CATALOG NUMBER: P3AS20R209740D010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	14647.2
1°	14576.8
2°	14298.5
3°	13851.6
4°	13327.8
5°	12664.9
6°	11905.3
7°	11021.4
8°	10014.7
9°	8883.6
10°	7736.1
12.5°	4879.7
15°	2635.4
17.5°	1407.8
20°	787.4
22.5°	450.2
25°	268.5
27.5°	163.7
30°	94.9
32.5°	55.7
35°	36.0
37.5°	24.6
40°	18.0
42.5°	11.5
45°	6.5
47.5°	3.3
50°	3.3
52.5°	3.3
55°	3.3
57.5°	3.3
60°	3.3
62.5°	1.6
65°	1.6
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)