

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: P1270478

Luminaire Tested: P3A20R209740D010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209740D010 E3D1H
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

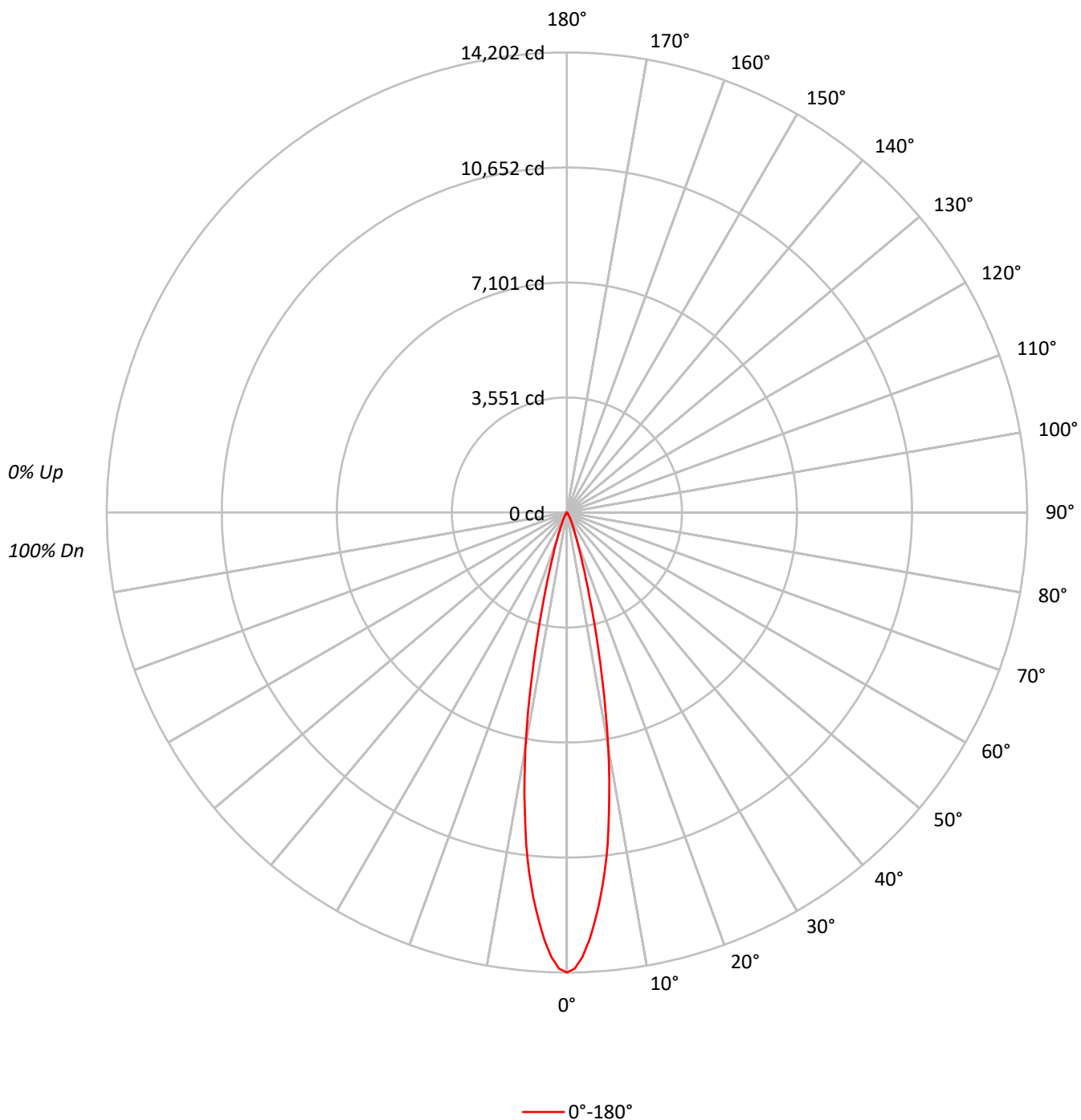
Lumens per Lamp: N/A
Luminaire Lumens: 2053.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270478

CATALOG NUMBER: P3A20R209740D010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1270478

CATALOG NUMBER: P3A20R209740D010 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	100	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3114224
5°	2622049
10°	1637712
15°	612262
20°	210158
25°	87586
30°	41247
35°	18471
40°	8731
45°	4466
50°	1637
55°	306
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4466 cd/sqm

TEST NUMBER: P1270478

CATALOG NUMBER: P3A20R209740D010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.6	48.3
10°-20°	815.9	39.7
20°-30°	185.4	9.0
30°-40°	47.2	2.3
40°-50°	11.9	0.6
50°-60°	1.5	0.1
60°-70°	0.5	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°	1991.9	97.0
0°-40°	2039.1	99.3
0°-60°	2052.5	100.0
0°-90°	2053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2053.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14202	
5°	11912	991
15°	2697	816
25°	362	185
35°	69	47
45°	14	12
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270478

CATALOG NUMBER: P3A20R209740D010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	14202.0
1°	14081.6
2°	13726.9
3°	13217.9
4°	12593.5
5°	11912.0
6°	11152.6
7°	10314.6
8°	9336.9
9°	8368.1
10°	7355.1
11°	6277.1
12°	5200.6
13°	4288.8
14°	3417.1
15°	2697.0
16°	2128.7
17°	1679.2
18°	1349.3
19°	1097.3
20°	900.6
21°	752.9
22°	628.5
23°	522.6
24°	435.9
25°	362.0
27.5°	236.8
30°	162.9
32.5°	100.3
35°	69.0
37.5°	44.1
40°	30.5
42.5°	20.9
45°	14.4
47.5°	9.6
50°	4.8
52.5°	2.4
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.0
70°	0.0
72.5°	0.0

TEST NUMBER: P1270478

CATALOG NUMBER: P3A20R209740D010 E3D1H

CANDELA DISTRIBUTION (continued):

	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)