

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: P1270600

Luminaire Tested: P3A20R409740D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409740D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

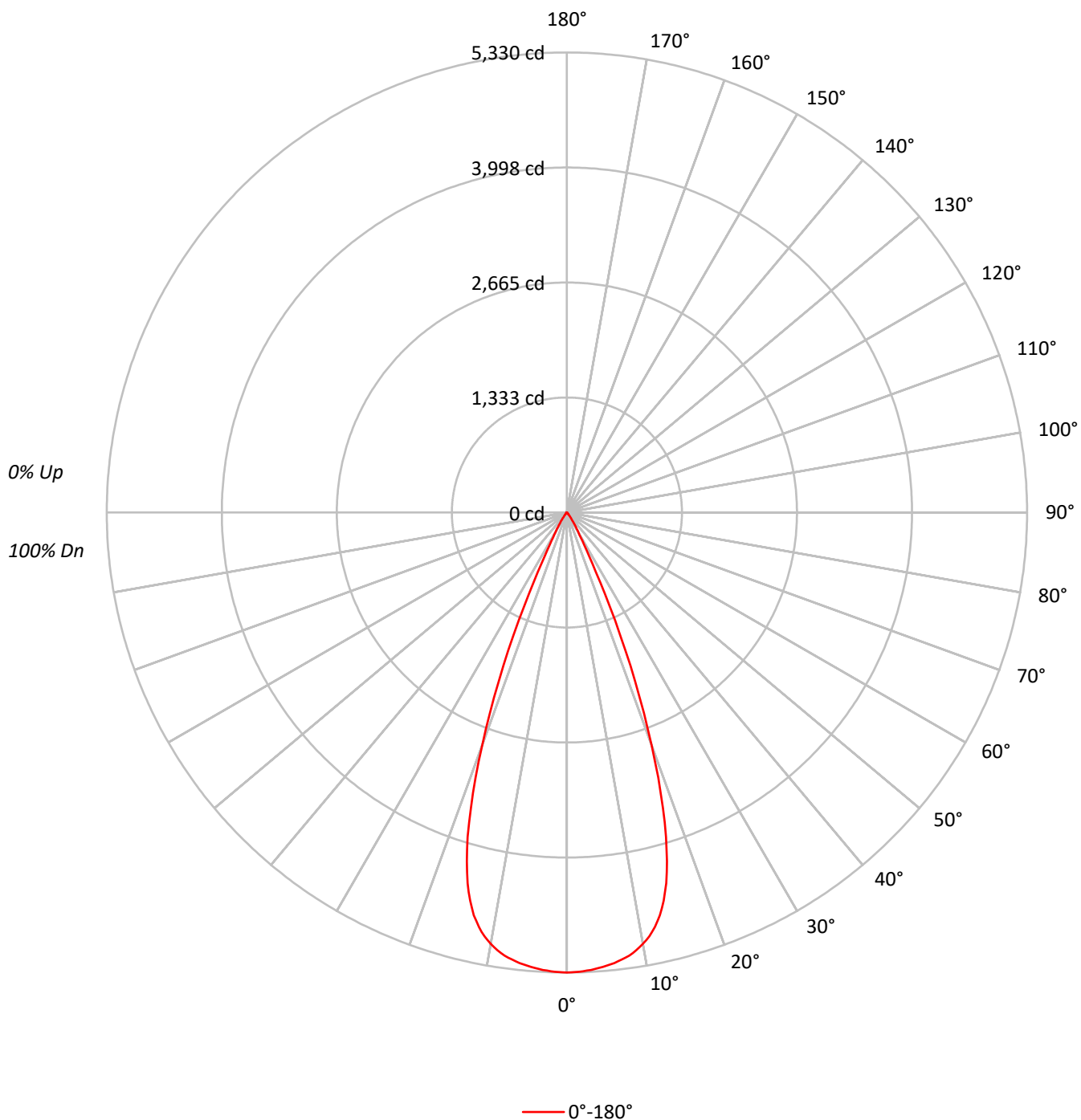
Lumens per Lamp: N/A
Luminaire Lumens: 2293.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270600

CATALOG NUMBER: P3A20R409740D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270600

CATALOG NUMBER: P3A20R409740D010 E3D1WMH

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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1168788
5°	1160354
10°	1129995
15°	1009382
20°	669305
25°	250732
30°	67074
35°	26207
40°	9418
45°	4466
50°	1365
55°	612
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: P1270600

CATALOG NUMBER: P3A20R409740D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.5	21.7
10°-20°	1178.1	51.4
20°-30°	534.3	23.3
30°-40°	69.2	3.0
40°-50°	12.0	0.5
50°-60°	1.4	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°	2209.9	96.4
0°-40°	2279.1	99.4
0°-60°	2292.5	100.0
0°-90°	2293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5330	
5°	5272	497
15°	4446	1178
25°	1036	534
35°	98	69
45°	14	12
55°	2	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270600

CATALOG NUMBER: P3A20R409740D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	5330.1
1°	5326.9
2°	5318.9
3°	5306.9
4°	5291.6
5°	5271.5
6°	5248.3
7°	5219.4
8°	5184.0
9°	5135.9
10°	5074.9
11°	5003.4
12°	4907.9
13°	4789.9
14°	4635.8
15°	4446.3
16°	4204.7
17°	3929.4
18°	3598.6
19°	3249.5
20°	2868.2
21°	2486.9
22°	2111.2
23°	1737.1
24°	1369.5
25°	1036.3
26°	767.4
27°	561.9
28°	422.2
29°	328.3
30°	264.9
31°	219.1
32°	183.0
32.5°	167.0
33°	150.9
34°	122.8
35°	97.9
36°	77.1
37°	61.0
37.5°	54.6
38°	48.2
39°	40.1
40°	32.9
42.5°	21.7
45°	14.4



TEST NUMBER: P1270600

CATALOG NUMBER: P3A20R409740D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.8
50°	4.0
52.5°	1.6
55°	1.6
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
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)