

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: P1252910

Luminaire Tested: P3AS20R709030D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709030D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

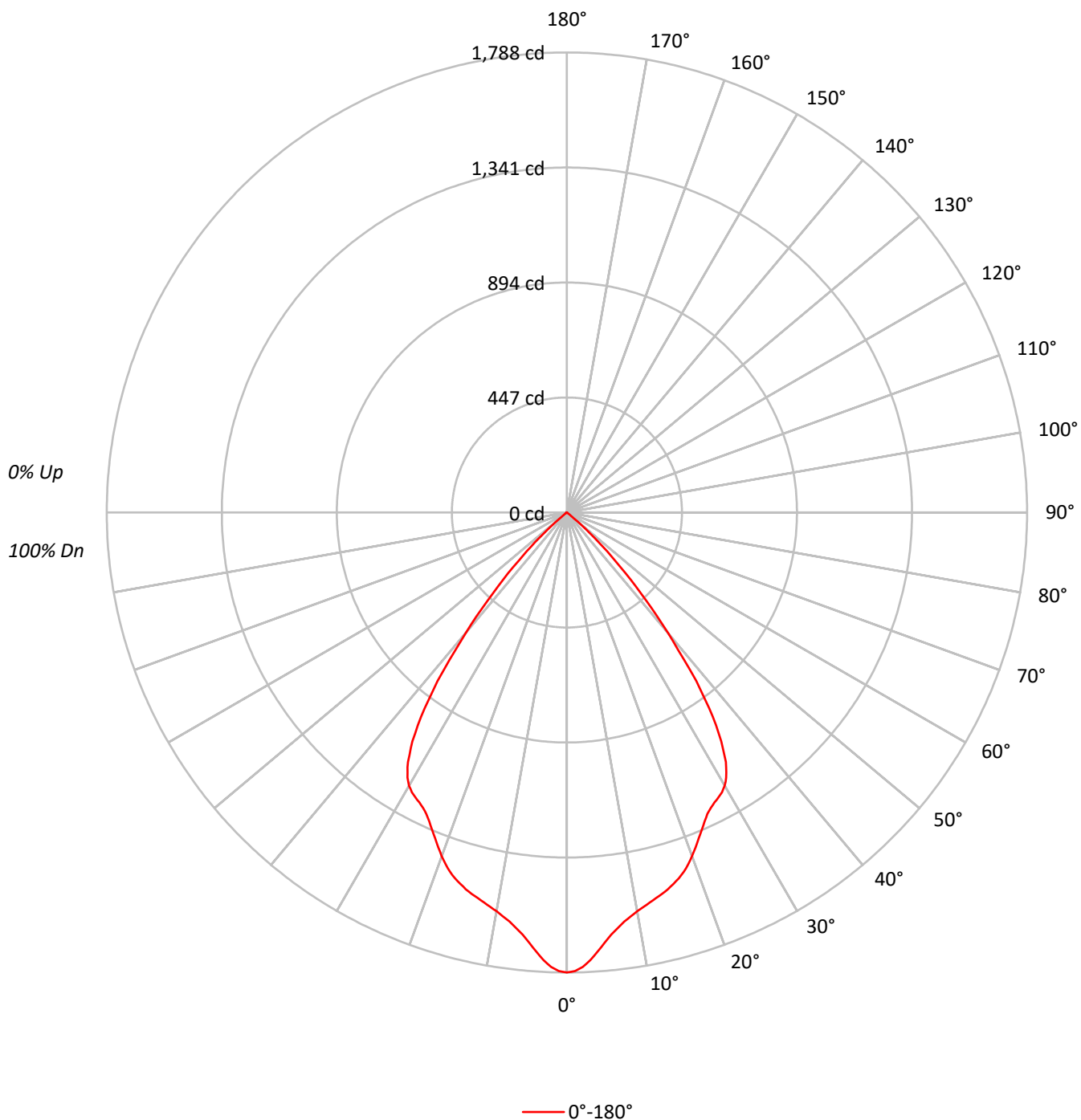
Lumens per Lamp: N/A
Luminaire Lumens: 2016.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252910

CATALOG NUMBER: P3AS20R709030D010 E3D1WMH

Luminous Intensity Polar Plot



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	392008
5°	369623
10°	350472
15°	344179
20°	331759
25°	312720
30°	310503
35°	270423
40°	174928
45°	82675
50°	11565
55°	956
60°	746
65°	882
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82675 cd/sqm

TEST NUMBER: P1252910

CATALOG NUMBER: P3AS20R709030D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	7.8
10°-20°	425.8	21.1
20°-30°	602.3	29.9
30°-40°	605.3	30.0
40°-50°	217.7	10.8
50°-60°	5.9	0.3
60°-70°	1.3	0.1
70°-80°	0.8	0.0
80°-90°	0.1	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°	1184.9	58.8
0°-40°	1790.2	88.8
0°-60°	2013.7	99.9
0°-90°	2016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2016.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1788	
5°	1679	157
15°	1516	426
25°	1292	602
35°	1010	605
45°	267	218
55°	2	6
65°	2	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1252910

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1787.7
1°	1782.7
2°	1767.0
3°	1742.1
4°	1710.6
5°	1679.2
6°	1649.4
7°	1626.2
8°	1605.5
9°	1588.9
10°	1574.0
11°	1561.6
12°	1550.0
13°	1538.4
14°	1527.7
15°	1516.1
16°	1502.0
17°	1487.1
18°	1468.9
19°	1446.5
20°	1421.7
21°	1394.4
22°	1367.0
23°	1340.5
24°	1314.9
25°	1292.5
26°	1276.8
27°	1264.4
28°	1254.4
29°	1242.8
30°	1226.3
31°	1202.3
32°	1168.3
32.5°	1149.3
33°	1123.6
34°	1073.1
35°	1010.2
36°	940.6
37°	861.9
37.5°	825.5
38°	775.8
39°	687.2
40°	611.1
42.5°	423.1
45°	266.6



TEST NUMBER: P1252910

CATALOG NUMBER: P3AS20R709030D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	143.2
50°	33.9
52.5°	4.1
55°	2.5
57.5°	2.5
60°	1.7
62.5°	1.7
65°	1.7
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)