

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: P1252740

Luminaire Tested: P3AS20R409030D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252740
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: P3AS20R409030D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

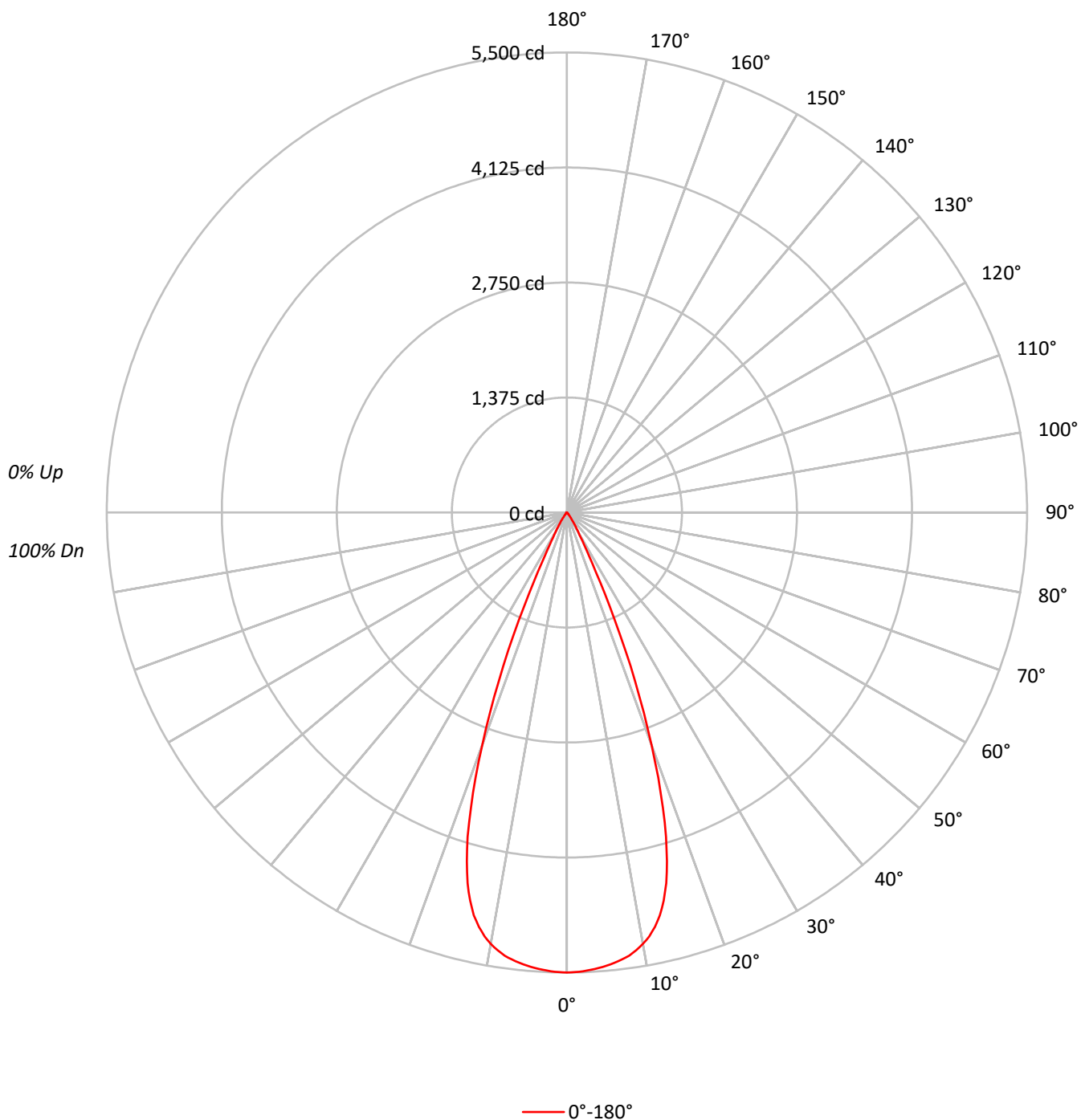
Lumens per Lamp: N/A
Luminaire Lumens: 2366.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252740

CATALOG NUMBER: P3AS20R409030D010 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88	85	83	82
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82	79	77	76
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79	76	74	73
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77	74	71	70
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1206000
5°	1197311
10°	1165955
15°	1041527
20°	690610
25°	258717
30°	69201
35°	27064
40°	9733
45°	4621
50°	1399
55°	650
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4621 cd/sqm

TEST NUMBER: P1252740

CATALOG NUMBER: P3AS20R409030D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.3	21.7
10°-20°	1215.6	51.4
20°-30°	551.3	23.3
30°-40°	71.4	3.0
40°-50°	12.4	0.5
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°	2280.2	96.4
0°-40°	2351.7	99.4
0°-60°	2365.5	100.0
0°-90°	2366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2366.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5500	
5°	5439	513
15°	4588	1216
25°	1069	551
35°	101	71
45°	15	12
55°	2	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1252740

CATALOG NUMBER: P3AS20R409030D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	5499.8
1°	5496.5
2°	5488.2
3°	5475.8
4°	5460.1
5°	5439.4
6°	5415.3
7°	5385.5
8°	5349.1
9°	5299.4
10°	5236.4
11°	5162.7
12°	5064.1
13°	4942.4
14°	4783.4
15°	4587.9
16°	4338.6
17°	4054.5
18°	3713.2
19°	3352.9
20°	2959.5
21°	2566.0
22°	2178.4
23°	1792.4
24°	1413.1
25°	1069.3
26°	791.8
27°	579.8
28°	435.7
29°	338.8
30°	273.3
31°	226.1
32°	188.8
32.5°	172.3
33°	155.7
34°	126.7
35°	101.1
36°	79.5
37°	62.9
37.5°	56.3
38°	49.7
39°	41.4
40°	34.0
42.5°	22.4
45°	14.9



TEST NUMBER: P1252740

CATALOG NUMBER: P3AS20R409030D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.1
50°	4.1
52.5°	1.7
55°	1.7
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)