

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: P1272809

Luminaire Tested: P3AS20R609827D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R609827D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

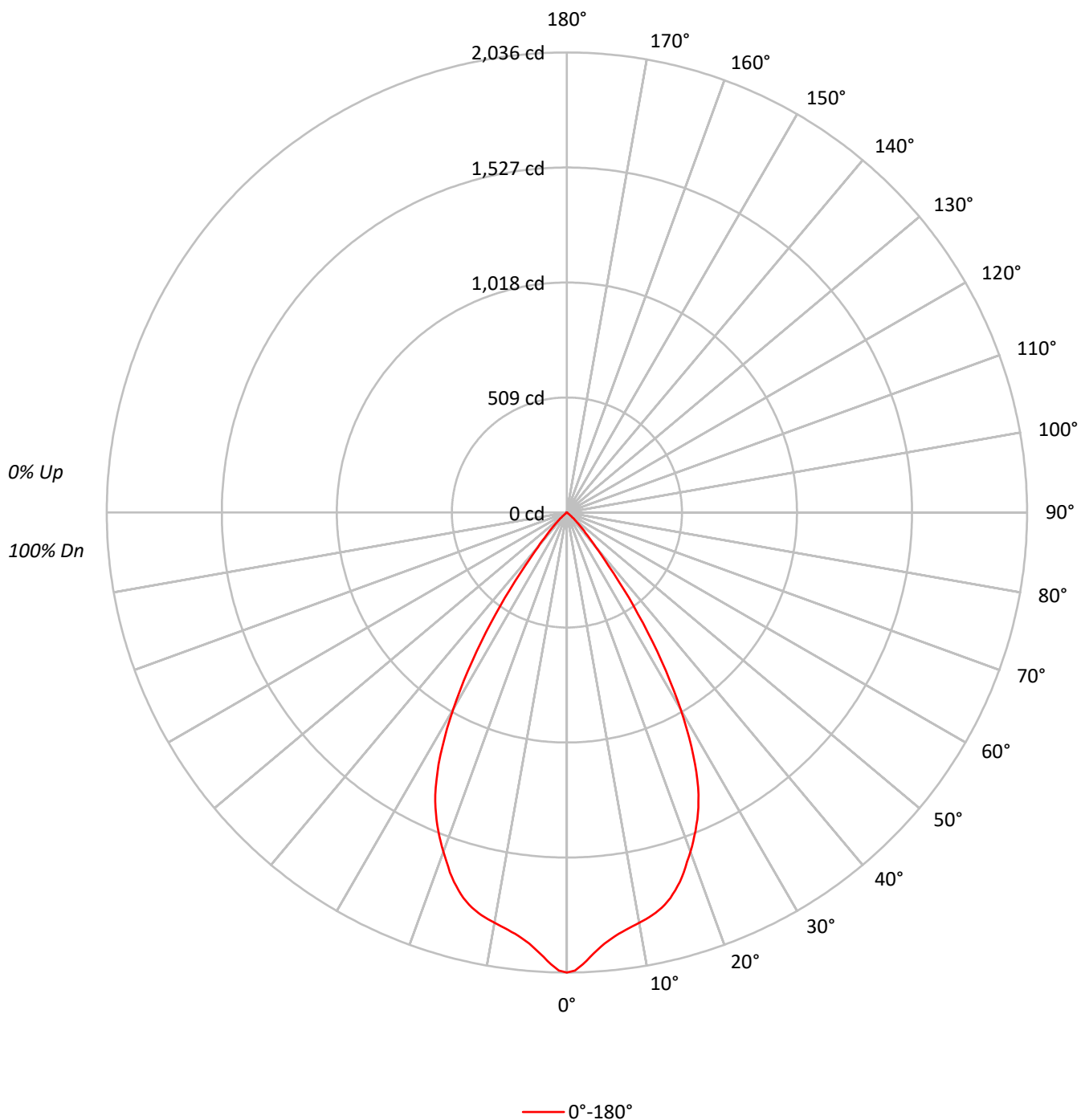
Lumens per Lamp: N/A
Luminaire Lumens: 1704.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272809

CATALOG NUMBER: P3AS20R609827D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1272809

CATALOG NUMBER: P3AS20R609827D010 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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88
4	98	91	85	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	65	61	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	446477
5°	421483
10°	410525
15°	401137
20°	372969
25°	333431
30°	254672
35°	147043
40°	57078
45°	23785
50°	5219
55°	803
60°	614
65°	363
70°	449
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23785 cd/sqm

TEST NUMBER: P1272809

CATALOG NUMBER: P3AS20R609827D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	10.6
10°-20°	492.2	28.9
20°-30°	616.5	36.2
30°-40°	344.6	20.2
40°-50°	65.5	3.8
50°-60°	3.4	0.2
60°-70°	0.8	0.0
70°-80°	0.3	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°	1289.5	75.7
0°-40°	1634.1	95.9
0°-60°	1703.0	99.9
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2036	
5°	1915	181
15°	1767	492
25°	1378	616
35°	549	345
45°	77	66
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272809

CATALOG NUMBER: P3AS20R609827D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2036.1
1°	2027.7
2°	2001.2
3°	1969.9
4°	1940.6
5°	1914.8
6°	1895.3
7°	1878.5
8°	1866.0
9°	1854.1
10°	1843.7
11°	1833.2
12°	1821.4
13°	1806.7
14°	1789.3
15°	1767.0
16°	1739.8
17°	1709.2
18°	1674.3
19°	1634.6
20°	1598.3
21°	1559.3
22°	1518.9
23°	1476.3
24°	1429.6
25°	1378.1
26°	1317.4
27°	1249.8
28°	1173.8
29°	1093.0
30°	1005.8
31°	918.0
32°	827.4
32.5°	777.9
33°	733.3
34°	640.6
35°	549.3
36°	467.0
37°	379.9
37.5°	340.2
38°	301.1
39°	242.6
40°	199.4
42.5°	121.3
45°	76.7



TEST NUMBER: P1272809

CATALOG NUMBER: P3AS20R609827D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	42.5
50°	15.3
52.5°	3.5
55°	2.1
57.5°	1.4
60°	1.4
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
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)