

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: P1272838

Luminaire Tested: P3AS20R659827D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659827D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

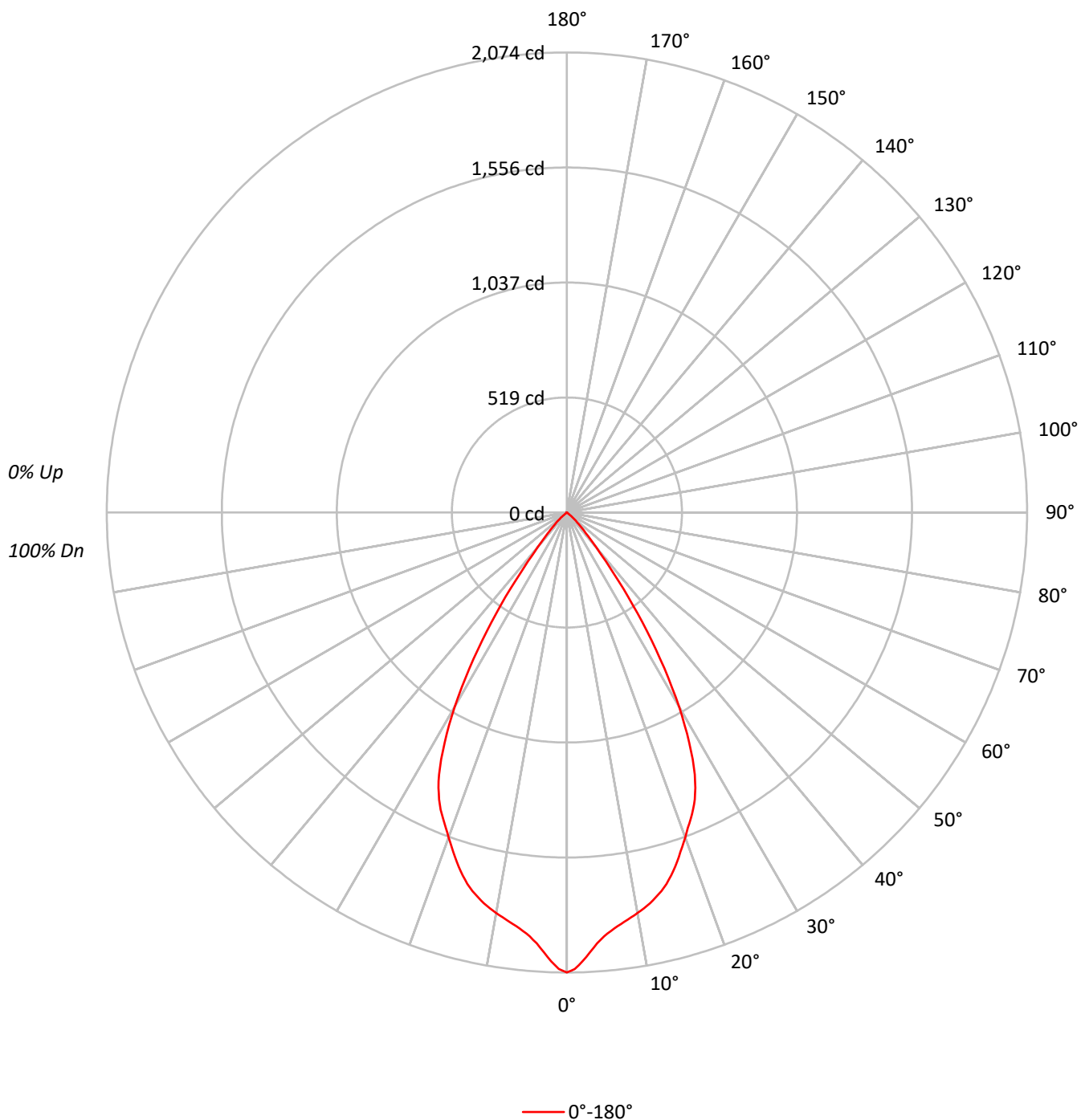
Lumens per Lamp: N/A
Luminaire Lumens: 1697.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272838

CATALOG NUMBER: P3AS20R659827D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1272838

CATALOG NUMBER: P3AS20R659827D010 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	95	91	88	93	89	86		90	87	85		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	454722
5°	422231
10°	408320
15°	393487
20°	363775
25°	331447
30°	256090
35°	148435
40°	58910
45°	25088
50°	5936
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: 25088 cd/sqm

TEST NUMBER: P1272838

CATALOG NUMBER: P3AS20R659827D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	10.7
10°-20°	483.0	28.5
20°-30°	611.3	36.0
30°-40°	348.1	20.5
40°-50°	69.1	4.1
50°-60°	3.6	0.2
60°-70°	0.9	0.1
70°-80°	0.1	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°	1275.1	75.1
0°-40°	1623.2	95.7
0°-60°	1695.9	99.9
0°-90°	1697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2074	
5°	1918	181
15°	1733	483
25°	1370	611
35°	554	348
45°	81	69
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272838

CATALOG NUMBER: P3AS20R659827D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2073.7
1°	2058.4
2°	2024.9
3°	1985.8
4°	1947.4
5°	1918.2
6°	1896.5
7°	1879.1
8°	1863.7
9°	1848.4
10°	1833.8
11°	1817.7
12°	1801.0
13°	1780.7
14°	1759.1
15°	1733.3
16°	1702.6
17°	1669.1
18°	1632.9
19°	1594.5
20°	1558.9
21°	1522.7
22°	1489.9
23°	1455.7
24°	1415.9
25°	1369.9
26°	1314.8
27°	1248.5
28°	1173.9
29°	1094.4
30°	1011.4
31°	920.0
32°	829.3
32.5°	782.6
33°	737.3
34°	645.2
35°	554.5
36°	470.8
37°	387.8
37.5°	345.3
38°	311.1
39°	251.8
40°	205.8
42.5°	126.9
45°	80.9



TEST NUMBER: P1272838

CATALOG NUMBER: P3AS20R659827D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	47.4
50°	17.4
52.5°	3.5
55°	2.1
57.5°	1.4
60°	1.4
62.5°	1.4
65°	0.7
67.5°	0.7
70°	0.7
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)