

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: P1263604

Luminaire Tested: P3A20R659727D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263604
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: P3A20R659727D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

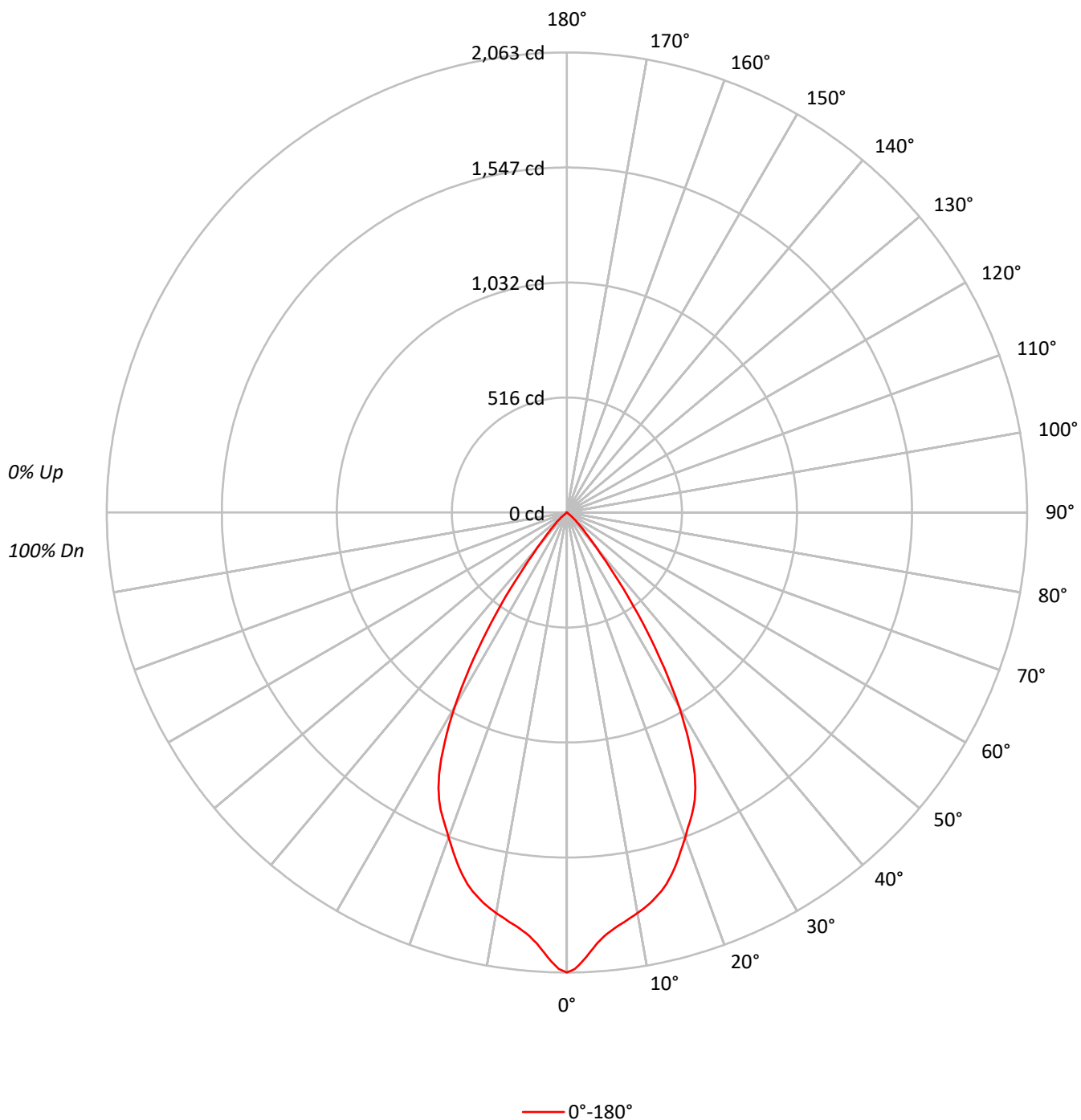
Lumens per Lamp: N/A
Luminaire Lumens: 1688.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1263604

CATALOG NUMBER: P3A20R659727D010 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	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°	452310
5°	419986
10°	406138
15°	391398
20°	361861
25°	329680
30°	254723
35°	147659
40°	58595
45°	24964
50°	5902
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: 24964 cd/sqm

TEST NUMBER: P1263604

CATALOG NUMBER: P3A20R659727D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.9	10.7
10°-20°	480.4	28.5
20°-30°	608.0	36.0
30°-40°	346.2	20.5
40°-50°	68.8	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°	1268.4	75.1
0°-40°	1614.6	95.7
0°-60°	1687.0	99.9
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2063	
5°	1908	180
15°	1724	480
25°	1363	608
35°	552	346
45°	80	69
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1263604

CATALOG NUMBER: P3A20R659727D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2062.7
1°	2047.4
2°	2014.1
3°	1975.3
4°	1937.1
5°	1908.0
6°	1886.5
7°	1869.1
8°	1853.9
9°	1838.6
10°	1824.0
11°	1808.1
12°	1791.4
13°	1771.3
14°	1749.8
15°	1724.1
16°	1693.6
17°	1660.3
18°	1624.2
19°	1586.1
20°	1550.7
21°	1514.6
22°	1482.0
23°	1448.0
24°	1408.4
25°	1362.6
26°	1307.8
27°	1241.9
28°	1167.7
29°	1088.6
30°	1006.0
31°	915.1
32°	824.9
32.5°	778.5
33°	733.4
34°	641.8
35°	551.6
36°	468.3
37°	385.8
37.5°	343.4
38°	309.4
39°	250.5
40°	204.7
42.5°	126.3
45°	80.5



TEST NUMBER: P1263604

CATALOG NUMBER: P3A20R659727D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	47.2
50°	17.3
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)