

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: P1247812

Luminaire Tested: P3A20R659024D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247812
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: P3A20R659024D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

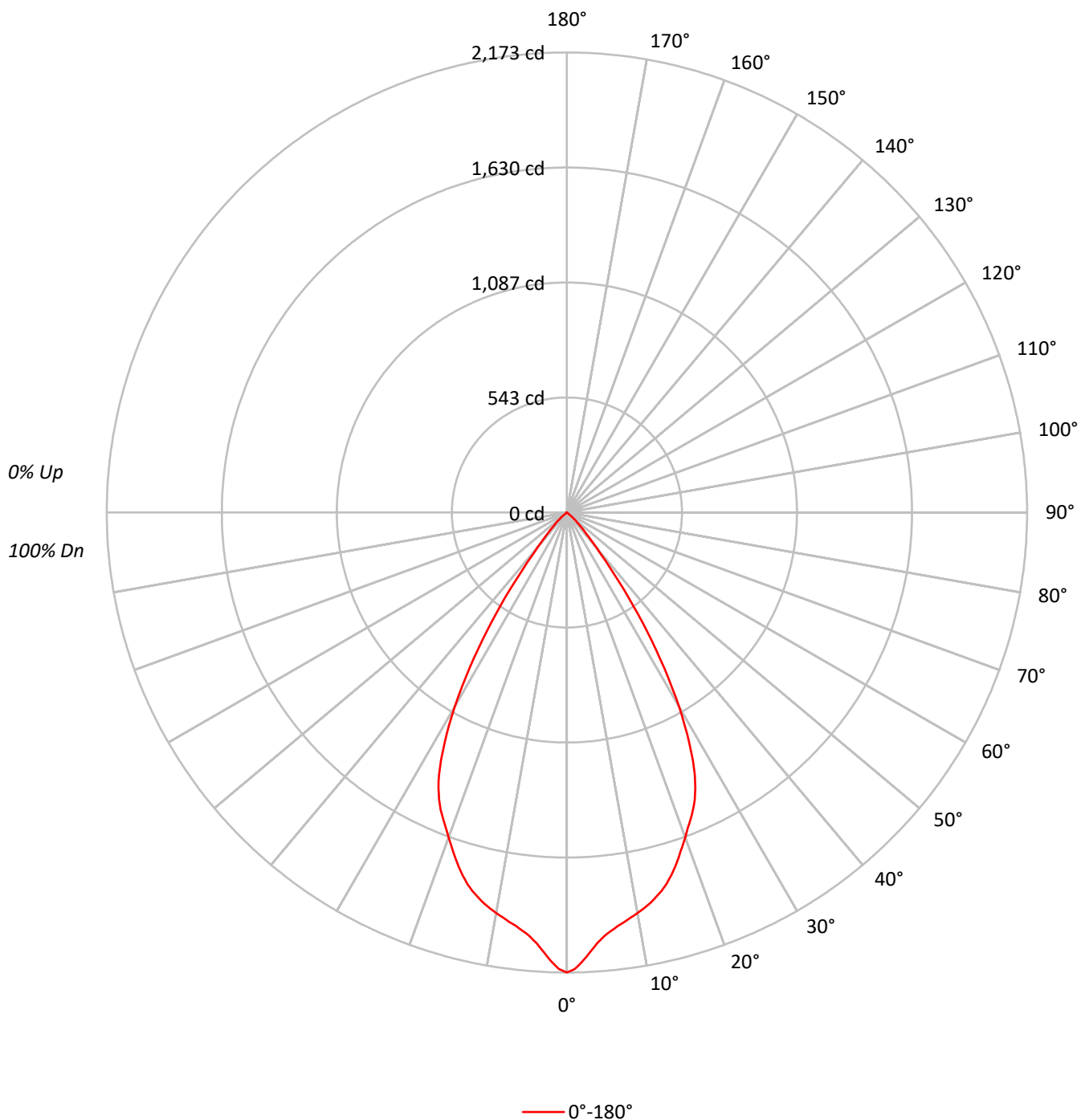
Lumens per Lamp: N/A
Luminaire Lumens: 1778.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247812

CATALOG NUMBER: P3A20R659024D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1247812

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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°	476431
5°	442372
10°	427803
15°	412261
20°	381136
25°	347270
30°	268320
35°	155529
40°	61716
45°	26297
50°	6243
55°	841
60°	658
65°	363
70°	449
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26297 cd/sqm

TEST NUMBER: P1247812

CATALOG NUMBER: P3A20R659024D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.5	10.7
10°-20°	506.0	28.5
20°-30°	640.4	36.0
30°-40°	364.7	20.5
40°-50°	72.5	4.1
50°-60°	3.8	0.2
60°-70°	1.0	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°	1336.0	75.1
0°-40°	1700.7	95.7
0°-60°	1776.9	99.9
0°-90°	1778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1778.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2173	
5°	2010	190
15°	1816	506
25°	1435	640
35°	581	365
45°	85	72
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1247812

CATALOG NUMBER: P3A20R659024D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2172.7
1°	2156.6
2°	2121.5
3°	2080.6
4°	2040.4
5°	2009.7
6°	1987.1
7°	1968.8
8°	1952.7
9°	1936.6
10°	1921.3
11°	1904.5
12°	1886.9
13°	1865.7
14°	1843.1
15°	1816.0
16°	1783.9
17°	1748.8
18°	1710.8
19°	1670.6
20°	1633.3
21°	1595.3
22°	1561.0
23°	1525.2
24°	1483.5
25°	1435.3
26°	1377.6
27°	1308.1
28°	1229.9
29°	1146.6
30°	1059.7
31°	963.9
32°	868.9
32.5°	820.0
33°	772.5
34°	676.0
35°	581.0
36°	493.3
37°	406.3
37.5°	361.7
38°	325.9
39°	263.8
40°	215.6
42.5°	133.0
45°	84.8



TEST NUMBER: P1247812

CATALOG NUMBER: P3A20R659024D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	49.7
50°	18.3
52.5°	3.7
55°	2.2
57.5°	1.5
60°	1.5
62.5°	1.5
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)