

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: P1260830

Luminaire Tested: P3AS20R559050D010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559050D010 E3D1H
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

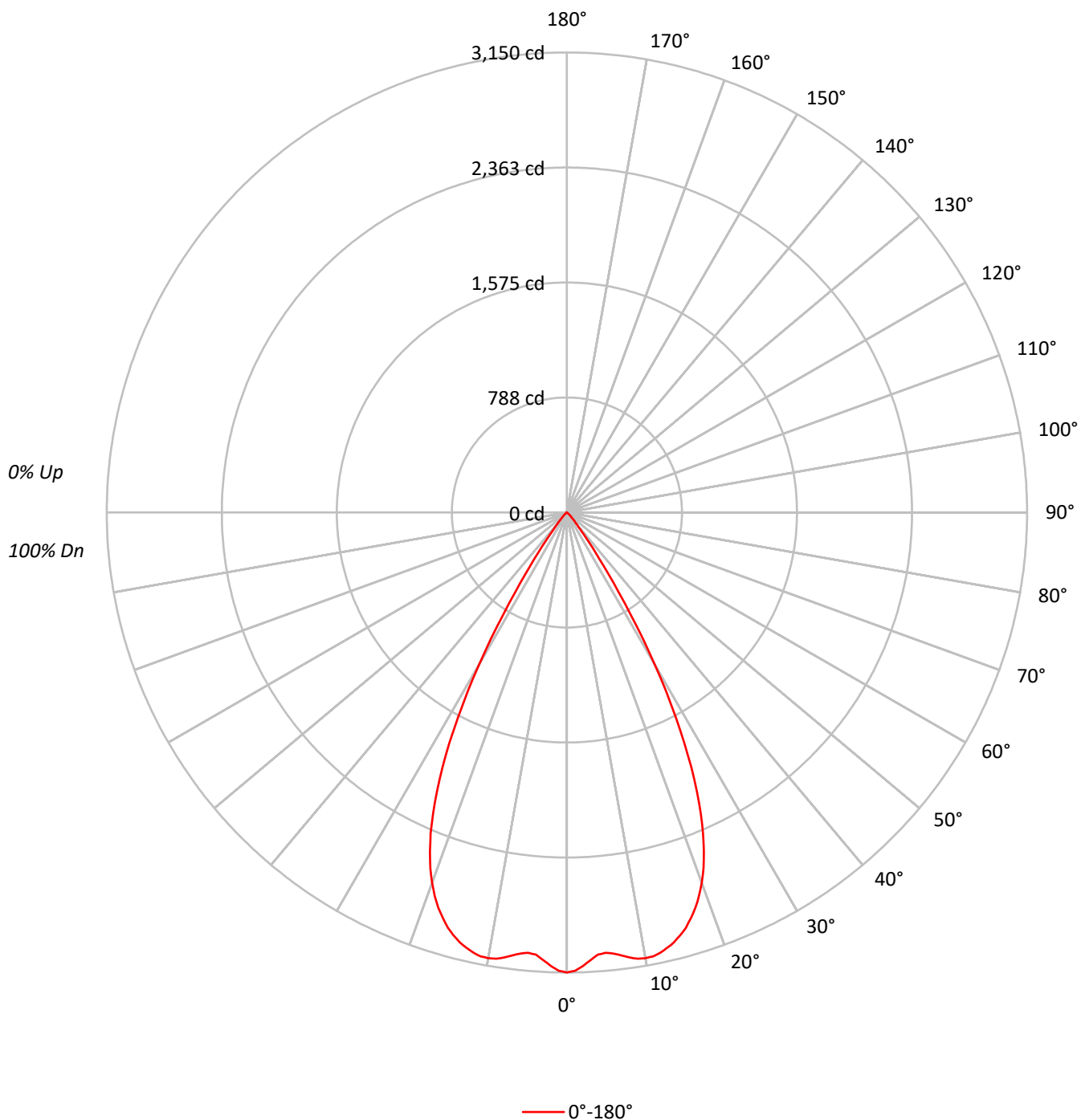
Lumens per Lamp: N/A
Luminaire Lumens: 2382.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1260830

CATALOG NUMBER: P3AS20R559050D010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1260830

CATALOG NUMBER: P3AS20R559050D010 E3D1H

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	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	690756
5°	666298
10°	690123
15°	680413
20°	629705
25°	509279
30°	305212
35°	103436
40°	28482
45°	12621
50°	3718
55°	688
60°	395
65°	467
70°	577
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12621 cd/sqm

TEST NUMBER: P1260830
 CATALOG NUMBER: P3AS20R559050D010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.9	12.3
10°-20°	834.5	35.0
20°-30°	927.6	38.9
30°-40°	288.8	12.1
40°-50°	34.7	1.5
50°-60°	2.7	0.1
60°-70°	0.9	0.0
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°	2054.9	86.3
0°-40°	2343.6	98.4
0°-60°	2381.0	100.0
0°-90°	2382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2382.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3150	
5°	3027	293
15°	2997	834
25°	2105	928
35°	386	289
45°	41	35
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1260830

CATALOG NUMBER: P3AS20R559050D010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3150.1
1°	3138.3
2°	3107.6
3°	3069.5
4°	3035.2
5°	3027.0
6°	3036.1
7°	3055.1
8°	3076.8
9°	3094.0
10°	3099.4
11°	3095.8
12°	3081.3
13°	3058.7
14°	3032.4
15°	2997.2
16°	2956.4
17°	2904.8
18°	2846.9
19°	2777.3
20°	2698.5
21°	2608.9
22°	2503.1
23°	2386.3
24°	2252.4
25°	2104.9
26°	1942.9
27°	1771.0
28°	1587.3
29°	1398.1
30°	1205.4
31°	1011.7
32°	822.6
32.5°	738.4
33°	651.6
34°	504.0
35°	386.4
36°	294.1
37°	218.1
37.5°	186.4
38°	162.0
39°	123.1
40°	99.5
42.5°	63.3
45°	40.7



TEST NUMBER: P1260830
CATALOG NUMBER: P3AS20R559050D010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	24.4
50°	10.9
52.5°	3.6
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)