

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: P1255529

Luminaire Tested: P3AS20R559035D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255529
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: P3AS20R559035D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

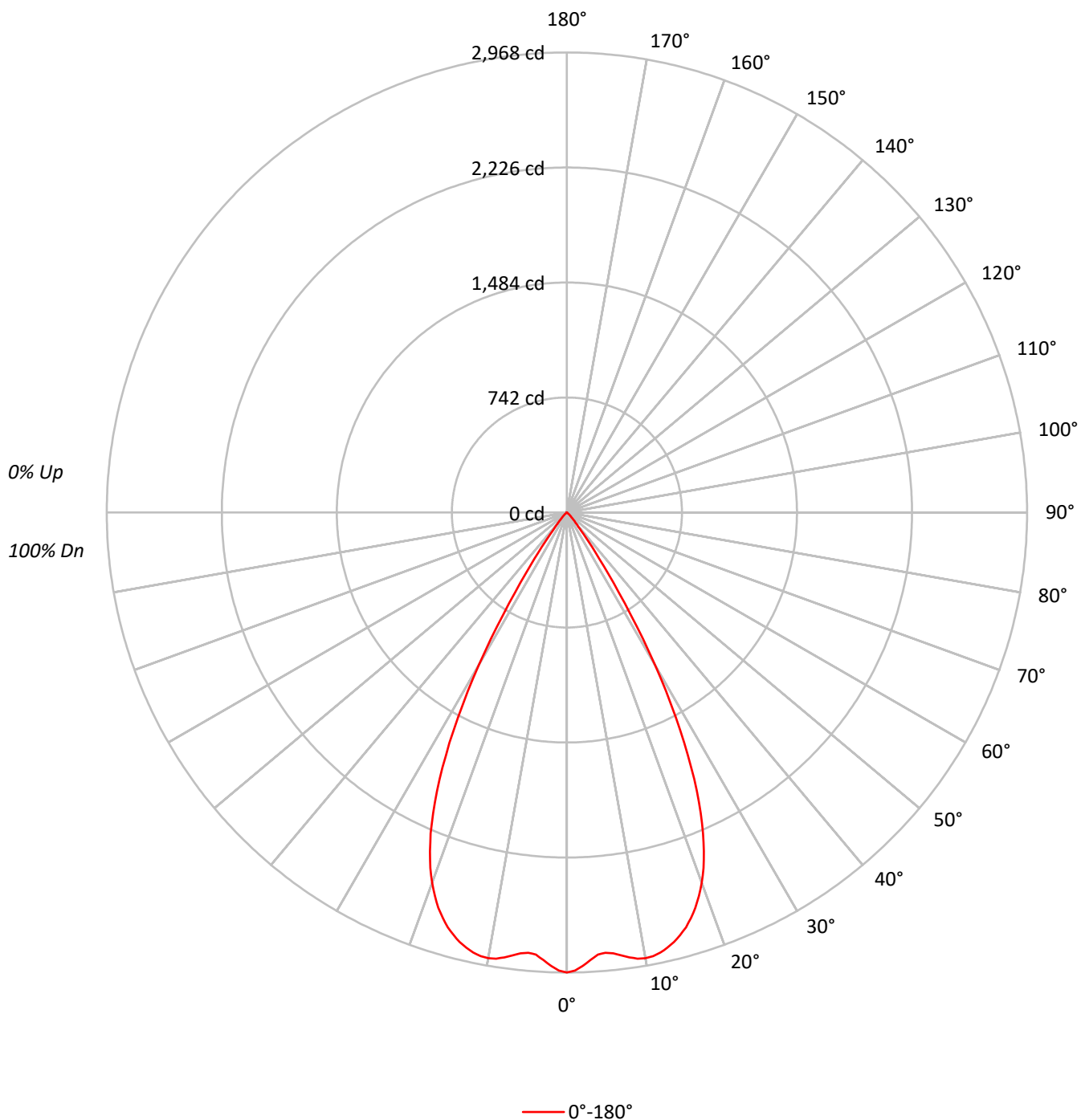
Lumens per Lamp: N/A
Luminaire Lumens: 2244.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1255529

CATALOG NUMBER: P3AS20R559035D010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1255529

CATALOG NUMBER: P3AS20R559035D010 E3D1WH

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	82	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	65	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°	650737
5°	627689
10°	650133
15°	640980
20°	593232
25°	479762
30°	287513
35°	97440
40°	26850
45°	11908
50°	3480
55°	650
60°	395
65°	467
70°	577
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11908 cd/sqm

TEST NUMBER: P1255529

CATALOG NUMBER: P3AS20R559035D010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	12.3
10°-20°	786.1	35.0
20°-30°	873.8	38.9
30°-40°	272.0	12.1
40°-50°	32.7	1.5
50°-60°	2.5	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°	1935.8	86.3
0°-40°	2207.9	98.4
0°-60°	2243.0	100.0
0°-90°	2244.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2244.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2968	
5°	2852	276
15°	2824	786
25°	1983	874
35°	364	272
45°	38	33
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1255529

CATALOG NUMBER: P3AS20R559035D010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2967.6
1°	2956.5
2°	2927.5
3°	2891.7
4°	2859.3
5°	2851.6
6°	2860.2
7°	2878.1
8°	2898.5
9°	2914.7
10°	2919.8
11°	2916.4
12°	2902.8
13°	2881.5
14°	2856.8
15°	2823.5
16°	2785.1
17°	2736.6
18°	2682.0
19°	2616.4
20°	2542.2
21°	2457.8
22°	2358.0
23°	2248.1
24°	2121.9
25°	1982.9
26°	1830.3
27°	1668.4
28°	1495.3
29°	1317.1
30°	1135.5
31°	953.1
32°	774.9
32.5°	695.6
33°	613.8
34°	474.8
35°	364.0
36°	277.1
37°	205.5
37.5°	175.6
38°	152.6
39°	115.9
40°	93.8
42.5°	59.7
45°	38.4



TEST NUMBER: P1255529

CATALOG NUMBER: P3AS20R559035D010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	23.0
50°	10.2
52.5°	3.4
55°	1.7
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)