

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: P1255534

Luminaire Tested: P3AS20R559035D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559035D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

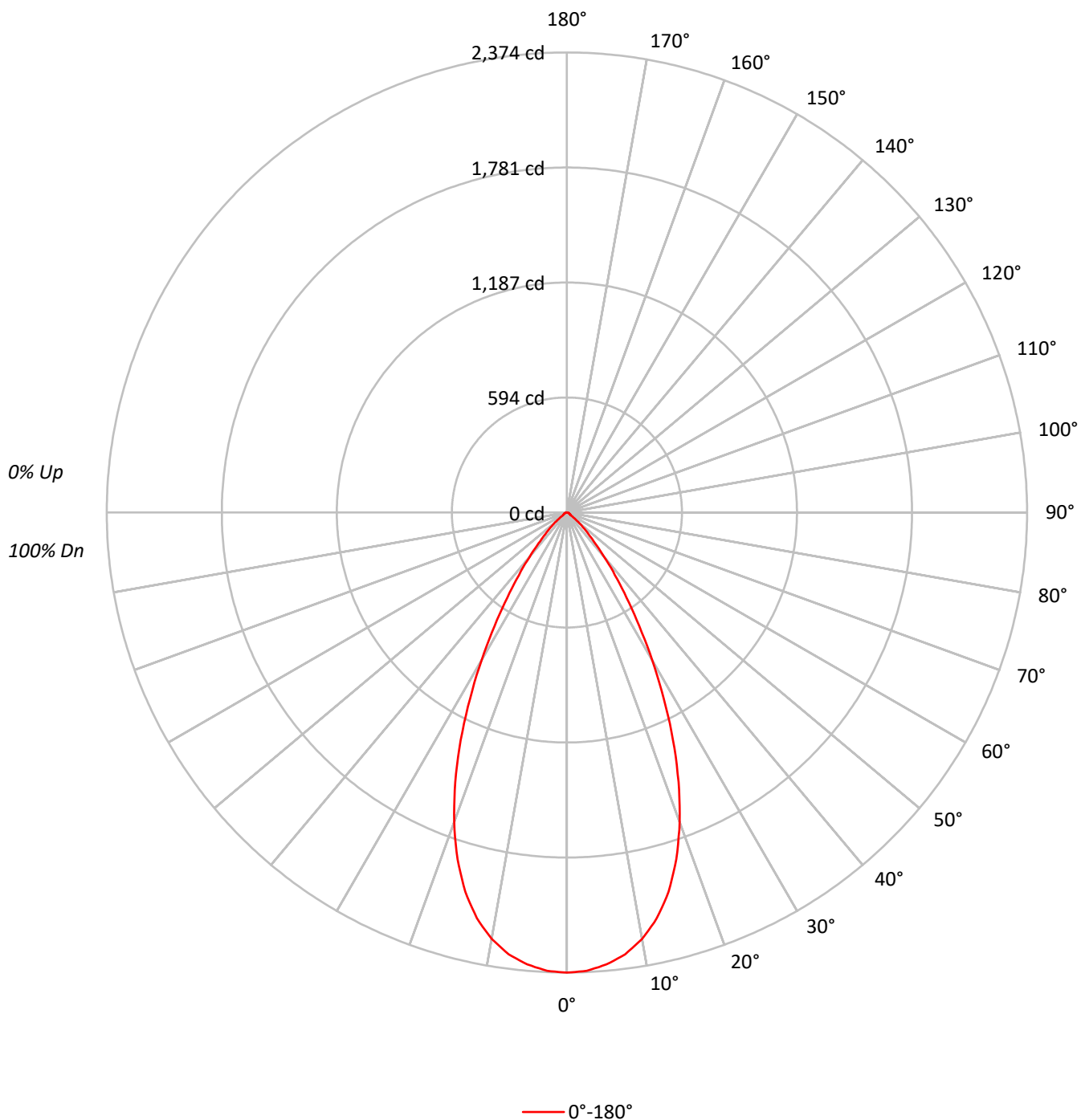
Lumens per Lamp: N/A
Luminaire Lumens: 1896.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1255534

CATALOG NUMBER: P3AS20R559035D010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1255534

CATALOG NUMBER: P3AS20R559035D010 E3DL1MW

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520638
5°	515341
10°	497675
15°	460025
20°	396958
25°	313518
30°	222414
35°	143403
40°	86133
45°	48532
50°	26097
55°	9328
60°	8377
65°	8146
70°	7822
75°	7371
80°	6566
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48532 cd/sqm

TEST NUMBER: P1255534

CATALOG NUMBER: P3AS20R559035D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	11.6
10°-20°	560.4	29.6
20°-30°	587.2	31.0
30°-40°	342.6	18.1
40°-50°	128.2	6.8
50°-60°	30.2	1.6
60°-70°	15.5	0.8
70°-80°	9.2	0.5
80°-90°	2.6	0.1
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°	1367.8	72.1
0°-40°	1710.4	90.2
0°-60°	1868.7	98.6
0°-90°	1896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2374	
5°	2341	220
15°	2026	560
25°	1296	587
35°	536	343
45°	156	128
55°	24	30
65°	16	16
75°	9	9
85°	2	3
90°	0	

TEST NUMBER: P1255534

CATALOG NUMBER: P3AS20R559035D010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2374.3
2.5°	2367.3
5°	2341.2
7.5°	2299.5
10°	2235.1
12.5°	2144.7
15°	2026.4
17.5°	1876.8
20°	1701.1
22.5°	1504.6
25°	1295.8
27.5°	1081.9
30°	878.4
32.5°	694.0
35°	535.7
37.5°	407.0
40°	300.9
42.5°	215.7
45°	156.5
47.5°	113.1
50°	76.5
52.5°	43.5
55°	24.4
57.5°	20.9
60°	19.1
62.5°	17.4
65°	15.7
67.5°	13.9
70°	12.2
72.5°	10.4
75°	8.7
77.5°	7.0
80°	5.2
82.5°	3.5
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)