

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: P1258247

Luminaire Tested: P3AS20R559040D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559040D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

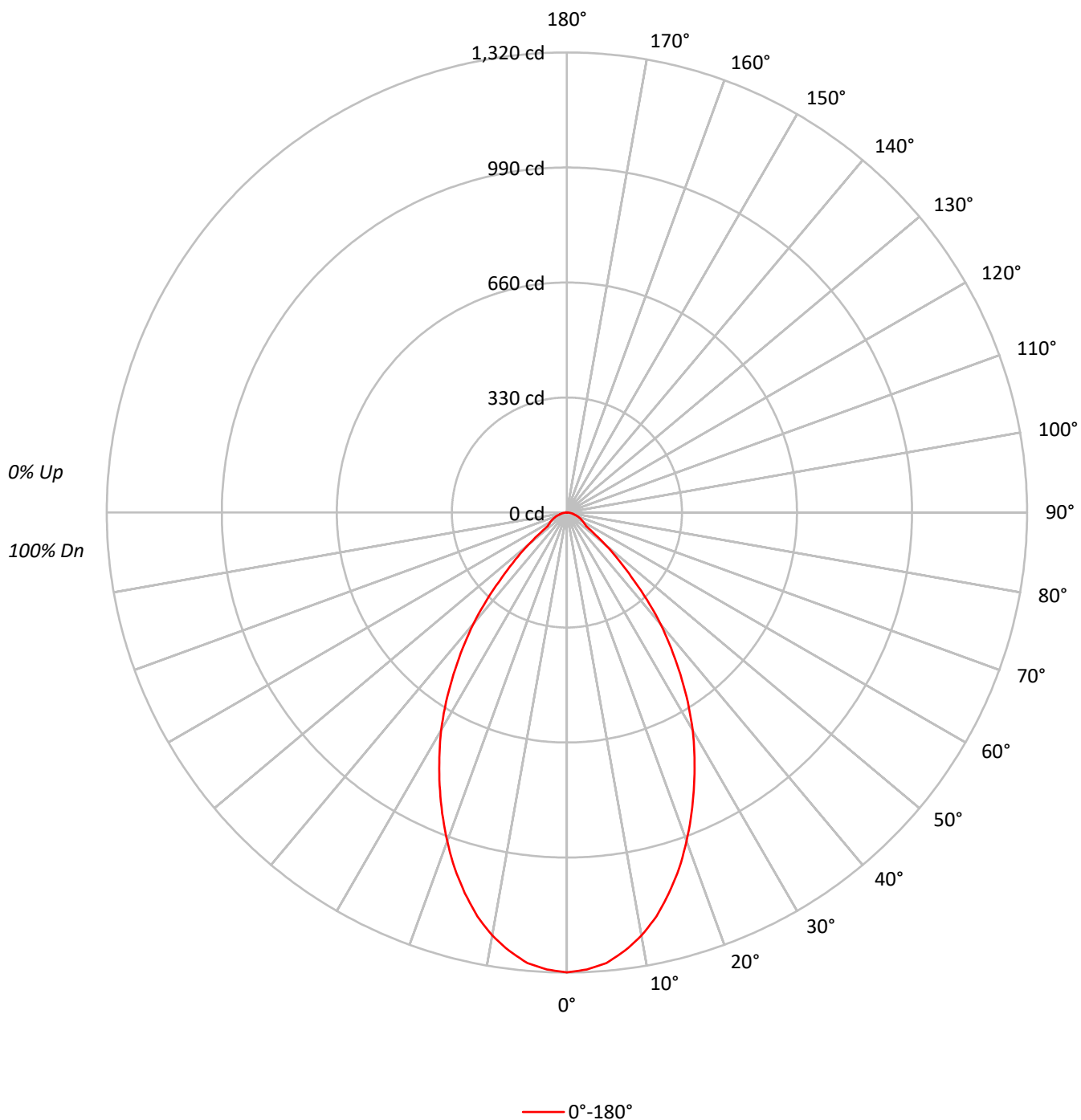
Lumens per Lamp: N/A
Luminaire Lumens: 1539.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	289363
5°	285670
10°	274410
15°	256664
20°	234147
25°	208899
30°	182712
35°	151808
40°	119681
45°	81156
50°	49602
55°	25729
60°	23902
65°	22622
70°	20965
75°	18470
80°	18310
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	7.9
10°-20°	316.0	20.5
20°-30°	395.7	25.7
30°-40°	353.2	23.0
40°-50°	206.8	13.4
50°-60°	71.5	4.6
60°-70°	43.2	2.8
70°-80°	24.0	1.6
80°-90°	6.9	0.4
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°	833.4	54.2
0°-40°	1186.7	77.1
0°-60°	1464.9	95.2
0°-90°	1539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1320	
5°	1298	122
15°	1131	316
25°	863	396
35°	567	353
45°	262	207
55°	67	71
65°	44	43
75°	22	24
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1319.6
2.5°	1312.4
5°	1297.8
7.5°	1268.7
10°	1232.4
12.5°	1186.9
15°	1130.6
17.5°	1070.6
20°	1003.4
22.5°	934.3
25°	863.4
27.5°	792.5
30°	721.6
32.5°	645.3
35°	567.1
37.5°	490.8
40°	418.1
42.5°	339.9
45°	261.7
47.5°	199.9
50°	145.4
52.5°	94.5
55°	67.3
57.5°	60.0
60°	54.5
62.5°	49.1
65°	43.6
67.5°	38.2
70°	32.7
72.5°	27.3
75°	21.8
77.5°	18.2
80°	14.5
82.5°	9.1
85°	5.5
87.5°	3.6
90°	0.0

(END OF REPORT)