

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: P1250207

Luminaire Tested: P3AS20R709027D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709027D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

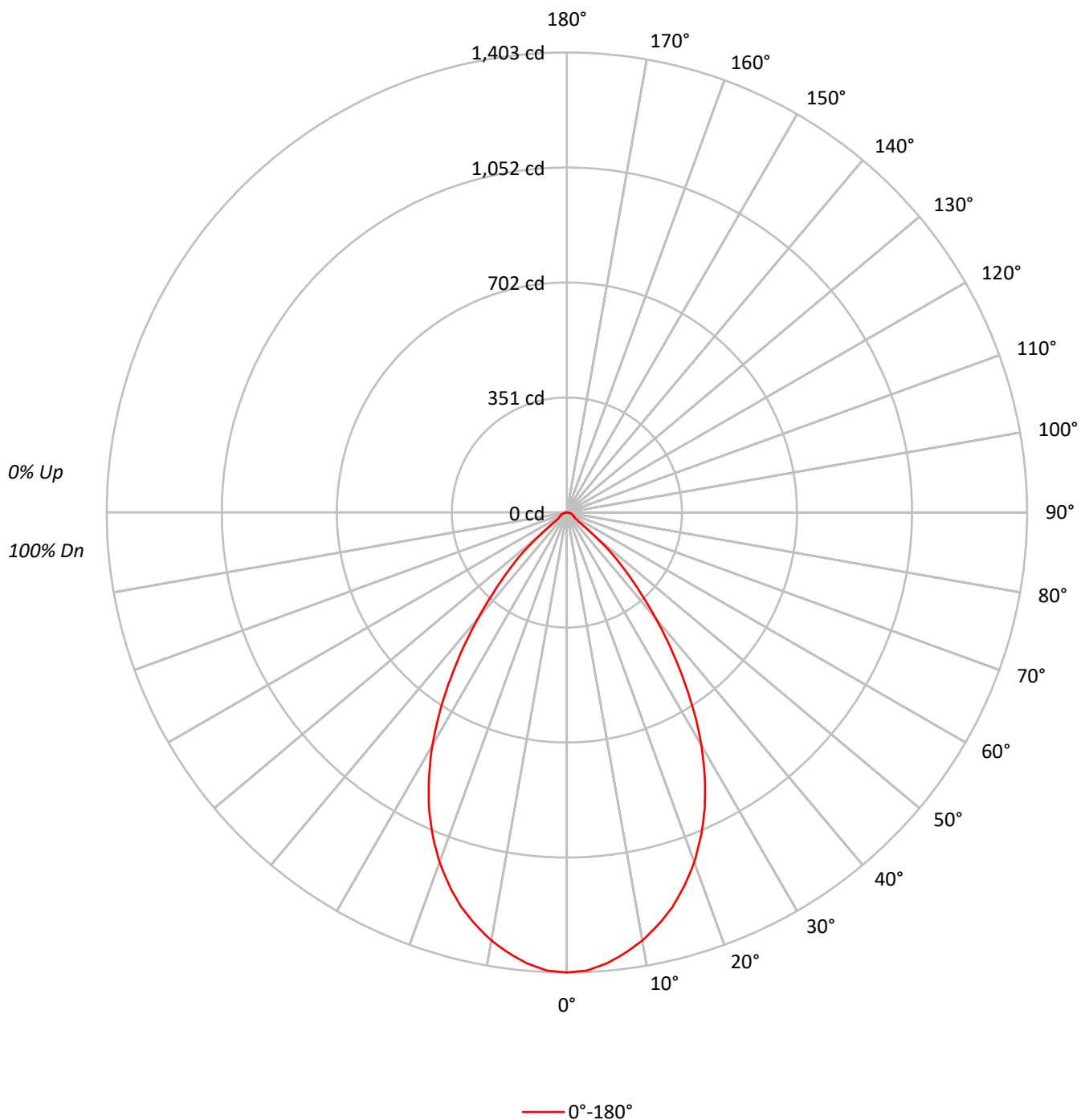
Lumens per Lamp: N/A
Luminaire Lumens: 1589.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	307607
5°	303939
10°	295140
15°	282635
20°	264763
25°	240522
30°	207779
35°	165594
40°	120597
45°	79264
50°	37150
55°	11469
60°	11052
65°	10637
70°	10130
75°	10675
80°	9976
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	8.2
10°-20°	348.4	21.9
20°-30°	452.9	28.5
30°-40°	384.3	24.2
40°-50°	198.1	12.5
50°-60°	38.2	2.4
60°-70°	20.7	1.3
70°-80°	12.7	0.8
80°-90°	3.7	0.2
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°	931.3	58.6
0°-40°	1315.6	82.8
0°-60°	1551.9	97.7
0°-90°	1589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1589.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1403	
5°	1381	130
15°	1245	348
25°	994	453
35°	619	384
45°	256	198
55°	30	38
65°	20	21
75°	13	13
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1402.8
2.5°	1398.1
5°	1380.8
7.5°	1355.5
10°	1325.5
12.5°	1287.6
15°	1245.0
17.5°	1193.0
20°	1134.6
22.5°	1068.3
25°	994.1
27.5°	910.5
30°	820.6
32.5°	721.1
35°	618.6
37.5°	517.6
40°	421.3
42.5°	331.4
45°	255.6
47.5°	187.8
50°	108.9
52.5°	47.3
55°	30.0
57.5°	28.4
60°	25.2
62.5°	23.7
65°	20.5
67.5°	18.9
70°	15.8
72.5°	14.2
75°	12.6
77.5°	9.5
80°	7.9
82.5°	4.7
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)