

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: P1249983

Luminaire Tested: P3AS20R309027D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309027D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

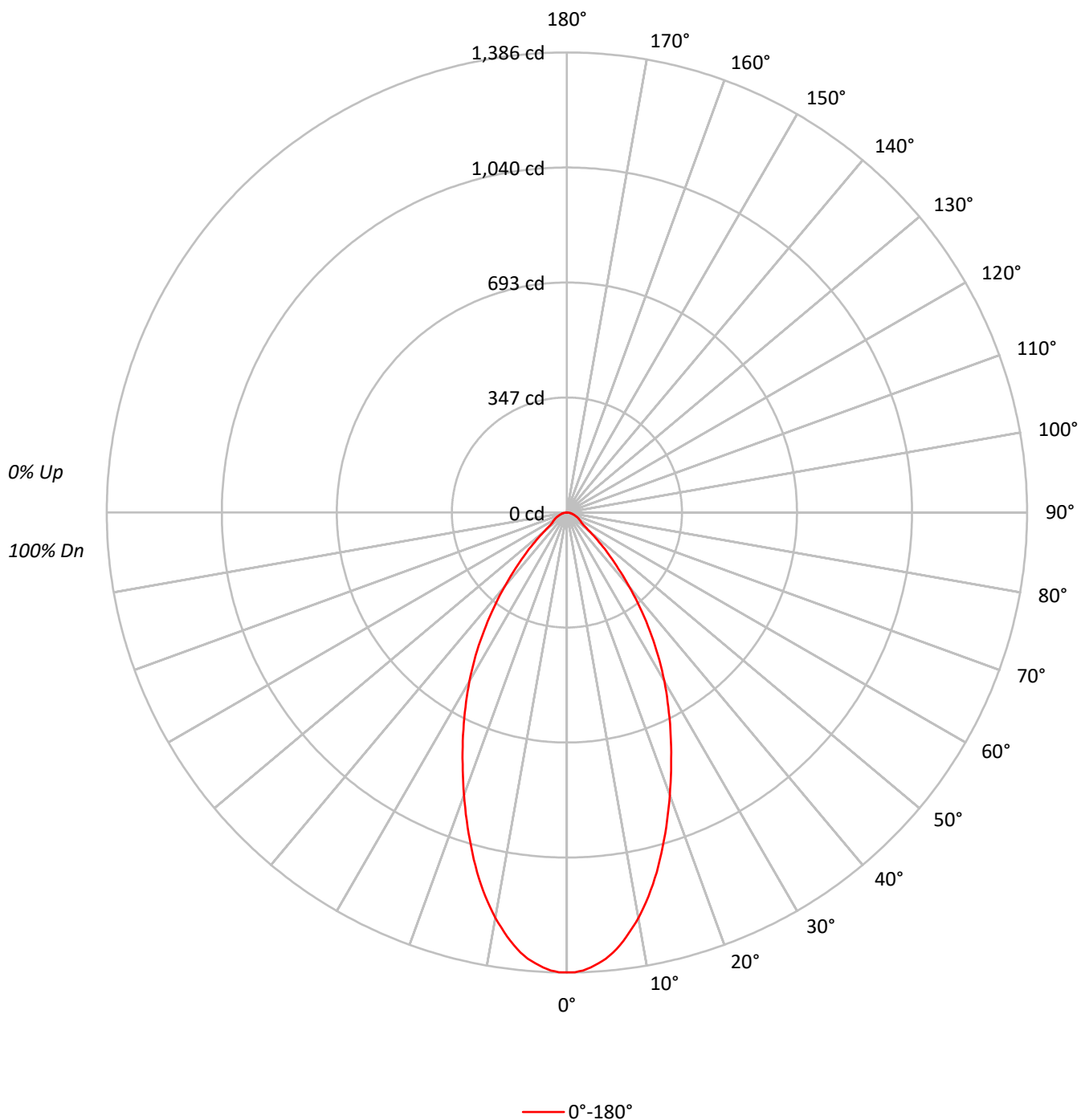
Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	85	79	74	92	84	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	54	74	64	58	53	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	303813
5°	296984
10°	276169
15°	245745
20°	211372
25°	179067
30°	148630
35°	116580
40°	83557
45°	54796
50°	31214
55°	20530
60°	19384
65°	18005
70°	16157
75°	14742
80°	13891
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	9.7
10°-20°	300.9	23.4
20°-30°	339.2	26.4
30°-40°	270.8	21.1
40°-50°	139.2	10.8
50°-60°	52.4	4.1
60°-70°	34.3	2.7
70°-80°	18.5	1.4
80°-90°	5.4	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°	765.4	59.5
0°-40°	1036.2	80.6
0°-60°	1227.8	95.5
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1386	
5°	1349	125
15°	1082	301
25°	740	339
35°	436	271
45°	177	139
55°	54	52
65°	35	34
75°	17	19
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1385.5
1°	1385.5
2°	1380.8
3°	1372.9
4°	1361.9
5°	1349.2
6°	1333.5
7°	1312.9
8°	1290.8
9°	1265.6
10°	1240.3
11°	1211.9
12°	1182.0
13°	1150.4
14°	1117.3
15°	1082.5
17.5°	994.2
20°	905.8
22.5°	820.6
25°	740.1
27.5°	661.2
30°	587.0
32.5°	511.3
35°	435.5
37.5°	361.4
40°	291.9
42.5°	230.4
45°	176.7
47.5°	131.0
50°	91.5
52.5°	64.7
55°	53.7
57.5°	48.9
60°	44.2
62.5°	39.5
65°	34.7
67.5°	30.0
70°	25.2
72.5°	20.5
75°	17.4
77.5°	14.2
80°	11.0
82.5°	7.9
85°	4.7
87.5°	1.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)