

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: P1258102

Luminaire Tested: P3AS20R309040D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258102
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: P3AS20R309040D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

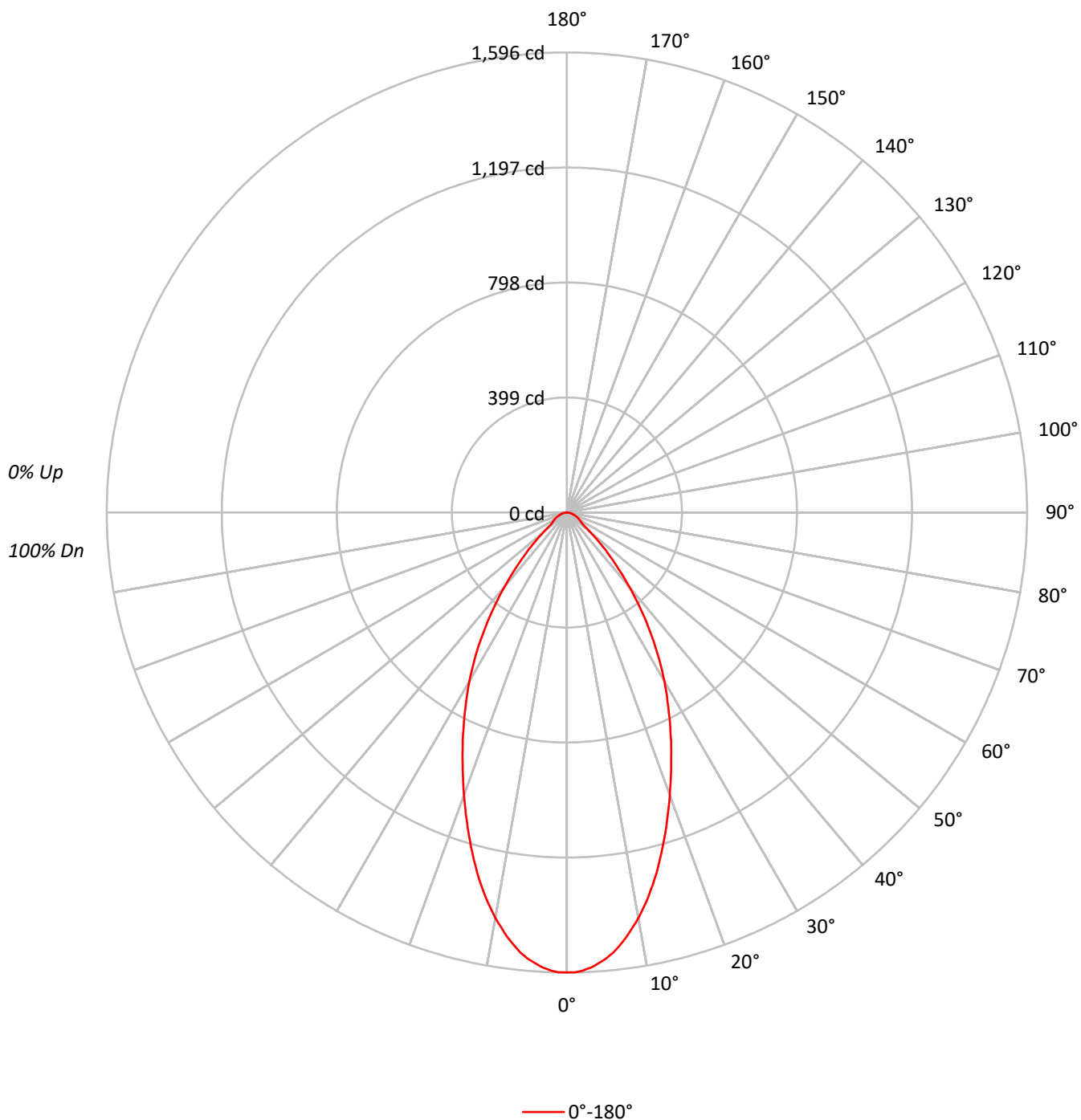
Lumens per Lamp: N/A
Luminaire Lumens: 1481.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	349884
5°	342020
10°	318052
15°	283021
20°	243411
25°	206214
30°	171166
35°	134274
40°	96237
45°	63107
50°	35956
55°	23626
60°	22323
65°	20754
70°	18657
75°	16945
80°	16037
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63107 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	9.7
10°-20°	346.6	23.4
20°-30°	390.6	26.4
30°-40°	311.9	21.1
40°-50°	160.3	10.8
50°-60°	60.3	4.1
60°-70°	39.5	2.7
70°-80°	21.3	1.4
80°-90°	6.2	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°	881.4	59.5
0°-40°	1193.3	80.6
0°-60°	1413.9	95.5
0°-90°	1481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1481.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1596	
5°	1554	144
15°	1247	347
25°	852	391
35°	502	312
45°	204	160
55°	62	60
65°	40	40
75°	20	21
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1595.6
1°	1595.6
2°	1590.2
3°	1581.1
4°	1568.4
5°	1553.8
6°	1535.6
7°	1512.0
8°	1486.6
9°	1457.5
10°	1428.4
11°	1395.7
12°	1361.2
13°	1324.8
14°	1286.7
15°	1246.7
17.5°	1144.9
20°	1043.1
22.5°	945.0
25°	852.3
27.5°	761.5
30°	676.0
32.5°	588.8
35°	501.6
37.5°	416.2
40°	336.2
42.5°	265.3
45°	203.5
47.5°	150.8
50°	105.4
52.5°	74.5
55°	61.8
57.5°	56.3
60°	50.9
62.5°	45.4
65°	40.0
67.5°	34.5
70°	29.1
72.5°	23.6
75°	20.0
77.5°	16.4
80°	12.7
82.5°	9.1
85°	5.5
87.5°	1.8



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)