

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: P1247678

Luminaire Tested: P3A20R409024D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409024D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

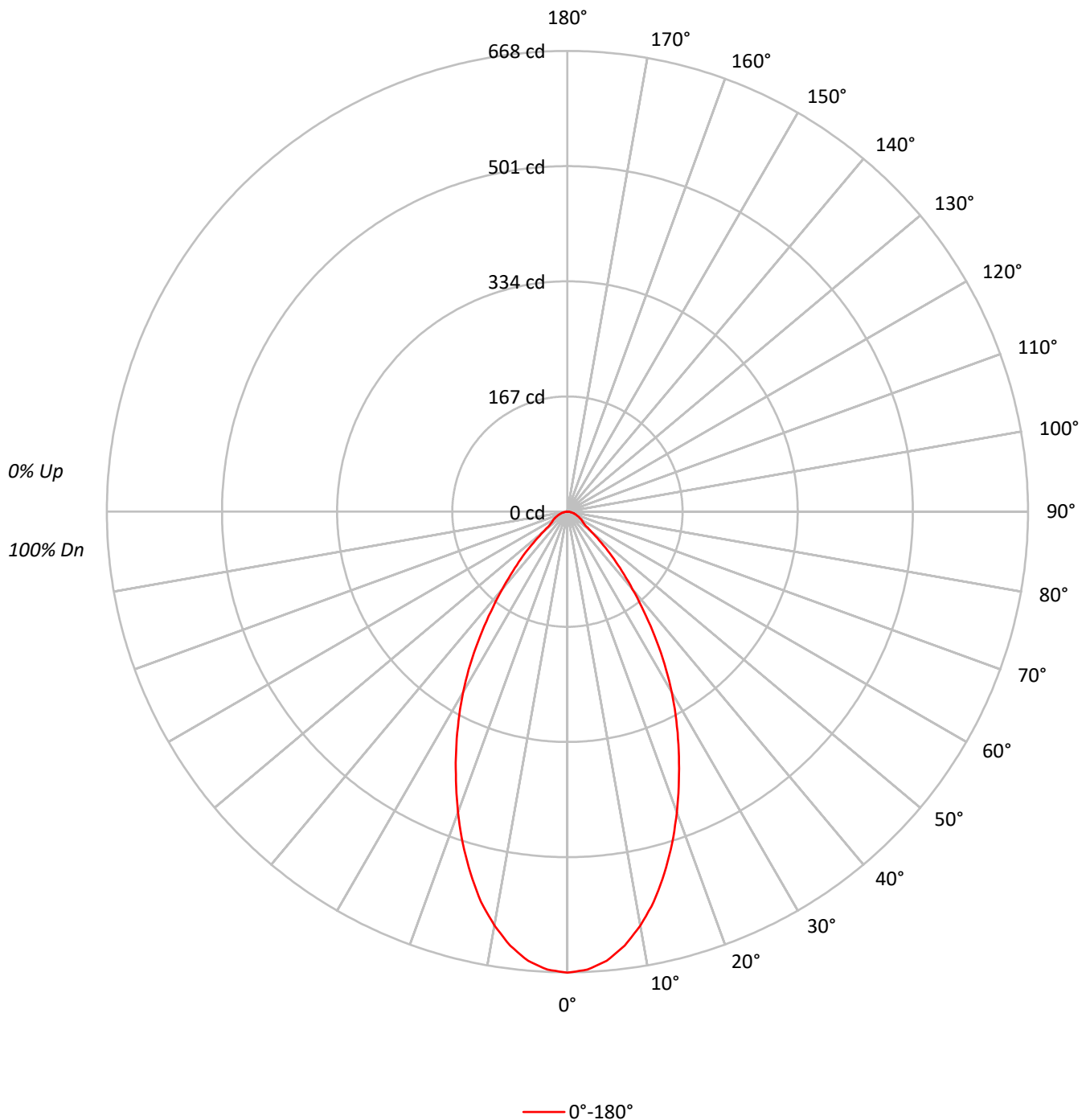
Lumens per Lamp: N/A
Luminaire Lumens: 653.1 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247678

CATALOG NUMBER: P3A20R409024D010 E3DLD1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1247678

CATALOG NUMBER: P3A20R409024D010 E3DLD1GPH

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	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146589
5°	143935
10°	135669
15°	123224
20°	108253
25°	92449
30°	76594
35°	59053
40°	42022
45°	28313
50°	15454
55°	10896
60°	10262
65°	9495
70°	8463
75°	8049
80°	6440
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28313 cd/sqm

TEST NUMBER: P1247678

CATALOG NUMBER: P3A20R409024D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	9.3
10°-20°	151.2	23.2
20°-30°	174.8	26.8
30°-40°	137.8	21.1
40°-50°	70.7	10.8
50°-60°	27.1	4.1
60°-70°	17.9	2.7
70°-80°	9.7	1.5
80°-90°	2.9	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°	387.0	59.3
0°-40°	524.7	80.4
0°-60°	622.5	95.3
0°-90°	653.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	668	
5°	654	61
15°	543	151
25°	382	175
35°	221	138
45°	91	71
55°	28	27
65°	18	18
75°	10	10
85°	2	3
90°	0	

TEST NUMBER: P1247678

CATALOG NUMBER: P3A20R409024D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	668.5
2.5°	664.8
5°	653.9
7.5°	634.9
10°	609.3
12.5°	579.3
15°	542.8
17.5°	504.8
20°	463.9
22.5°	422.3
25°	382.1
27.5°	341.9
30°	302.5
32.5°	262.3
35°	220.6
37.5°	181.9
40°	146.8
42.5°	116.9
45°	91.3
47.5°	66.5
50°	45.3
52.5°	32.9
55°	28.5
57.5°	25.6
60°	23.4
62.5°	20.5
65°	18.3
67.5°	15.3
70°	13.2
72.5°	11.0
75°	9.5
77.5°	7.3
80°	5.1
82.5°	4.4
85°	2.2
87.5°	1.5
90°	0.0

(END OF REPORT)