

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: P1247681

Luminaire Tested: P3A20R409024D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247681
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 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

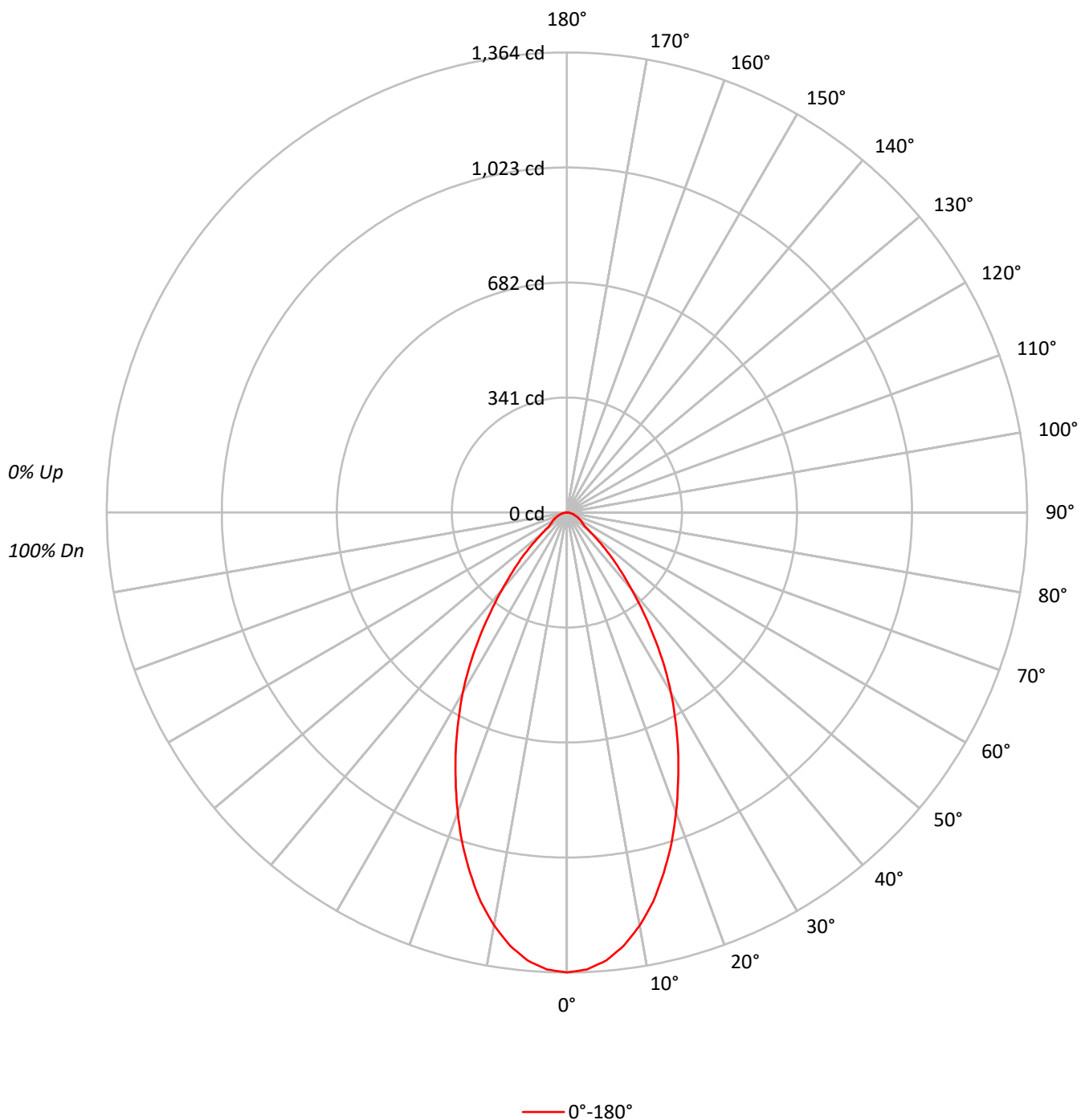
Lumens per Lamp: N/A
Luminaire Lumens: 1332.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247681

CATALOG NUMBER: P3A20R409024D010 E3DLD1MW

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	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°	299011
5°	293594
10°	276748
15°	251375
20°	220823
25°	188575
30°	156227
35°	120488
40°	85732
45°	57773
50°	31521
55°	22212
60°	20919
65°	19354
70°	17182
75°	16436
80°	13133
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57773 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	9.3
10°-20°	308.4	23.2
20°-30°	356.6	26.8
30°-40°	281.0	21.1
40°-50°	144.2	10.8
50°-60°	55.2	4.1
60°-70°	36.5	2.7
70°-80°	19.9	1.5
80°-90°	5.9	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°	789.4	59.3
0°-40°	1070.4	80.4
0°-60°	1269.8	95.3
0°-90°	1332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1332.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1364	
5°	1334	124
15°	1107	308
25°	779	357
35°	450	281
45°	186	144
55°	58	55
65°	37	36
75°	19	20
85°	4	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1363.6
2.5°	1356.1
5°	1333.8
7.5°	1295.0
10°	1242.9
12.5°	1181.8
15°	1107.3
17.5°	1029.8
20°	946.3
22.5°	861.4
25°	779.4
27.5°	697.4
30°	617.0
32.5°	535.0
35°	450.1
37.5°	371.1
40°	299.5
42.5°	238.4
45°	186.3
47.5°	135.6
50°	92.4
52.5°	67.1
55°	58.1
57.5°	52.2
60°	47.7
62.5°	41.7
65°	37.3
67.5°	31.3
70°	26.8
72.5°	22.4
75°	19.4
77.5°	14.9
80°	10.4
82.5°	8.9
85°	4.5
87.5°	3.0
90°	0.0

(END OF REPORT)