

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: P1255511

Luminaire Tested: P3AS20R509035D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509035D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

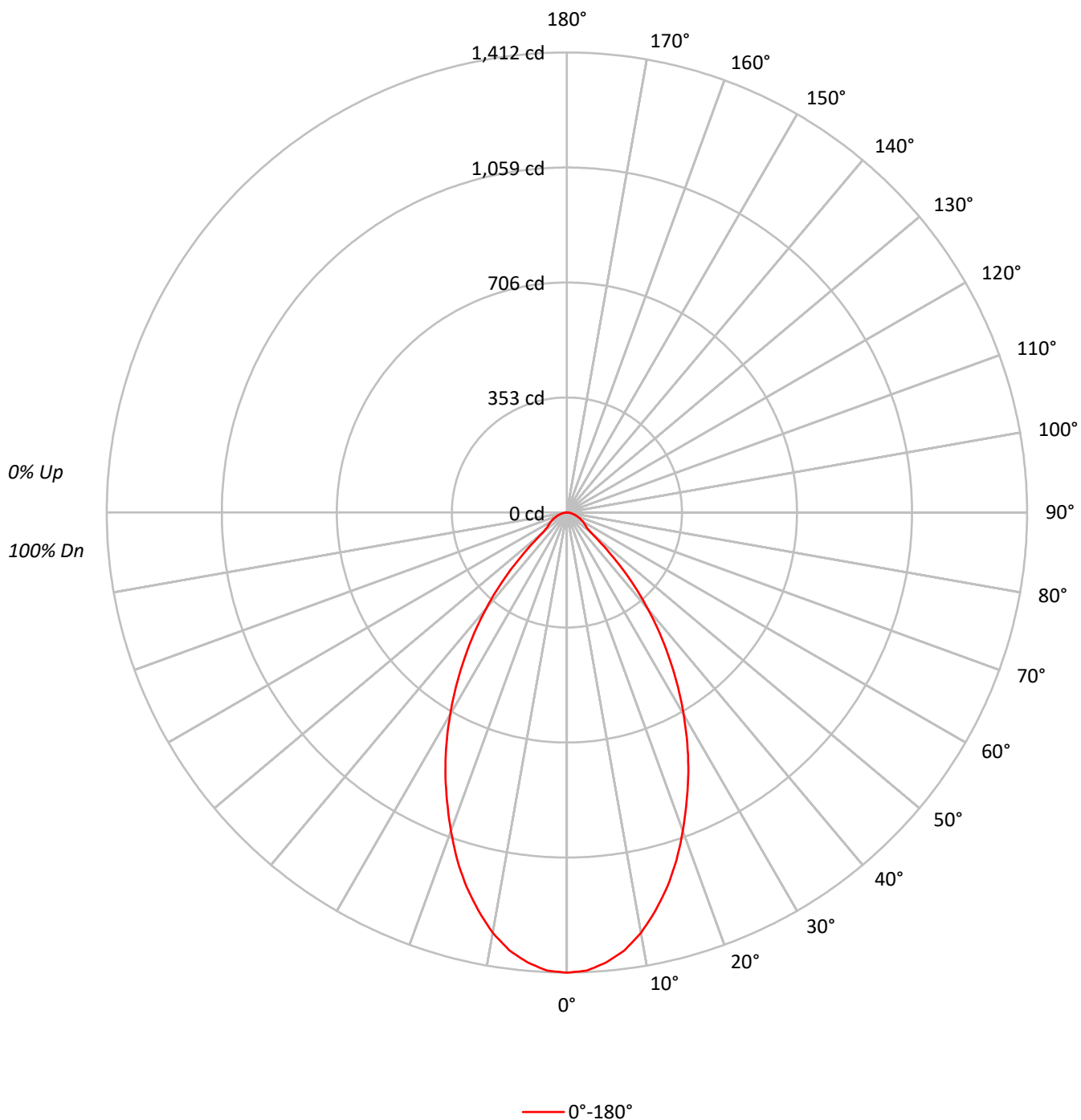
Lumens per Lamp: N/A
Luminaire Lumens: 1523.9 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1255511

CATALOG NUMBER: P3AS20R509035D010 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	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	309712
5°	305150
10°	291622
15°	270081
20°	242711
25°	213375
30°	181446
35°	147124
40°	110521
45°	71201
50°	33807
55°	26608
60°	25173
65°	23453
70°	21157
75°	19148
80°	17553
85°	17612

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71201 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	8.5
10°-20°	331.7	21.8
20°-30°	403.0	26.4
30°-40°	341.8	22.4
40°-50°	177.5	11.7
50°-60°	64.0	4.2
60°-70°	44.3	2.9
70°-80°	24.1	1.6
80°-90°	7.6	0.5
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°	864.6	56.7
0°-40°	1206.4	79.2
0°-60°	1448.0	95.0
0°-90°	1523.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1412	
5°	1386	130
15°	1190	332
25°	882	403
35°	550	342
45°	230	178
55°	70	64
65°	45	44
75°	23	24
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1412.4
2.5°	1407.2
5°	1386.3
7.5°	1355.0
10°	1309.7
12.5°	1252.3
15°	1189.7
17.5°	1118.4
20°	1040.1
22.5°	960.1
25°	881.9
27.5°	800.1
30°	716.6
32.5°	633.1
35°	549.6
37.5°	467.9
40°	386.1
42.5°	307.9
45°	229.6
47.5°	153.1
50°	99.1
52.5°	76.5
55°	69.6
57.5°	62.6
60°	57.4
62.5°	50.4
65°	45.2
67.5°	38.3
70°	33.0
72.5°	27.8
75°	22.6
77.5°	17.4
80°	13.9
82.5°	10.4
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)