

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: P1265903

Luminaire Tested: P3A20R509730D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265903
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: P3A20R509730D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

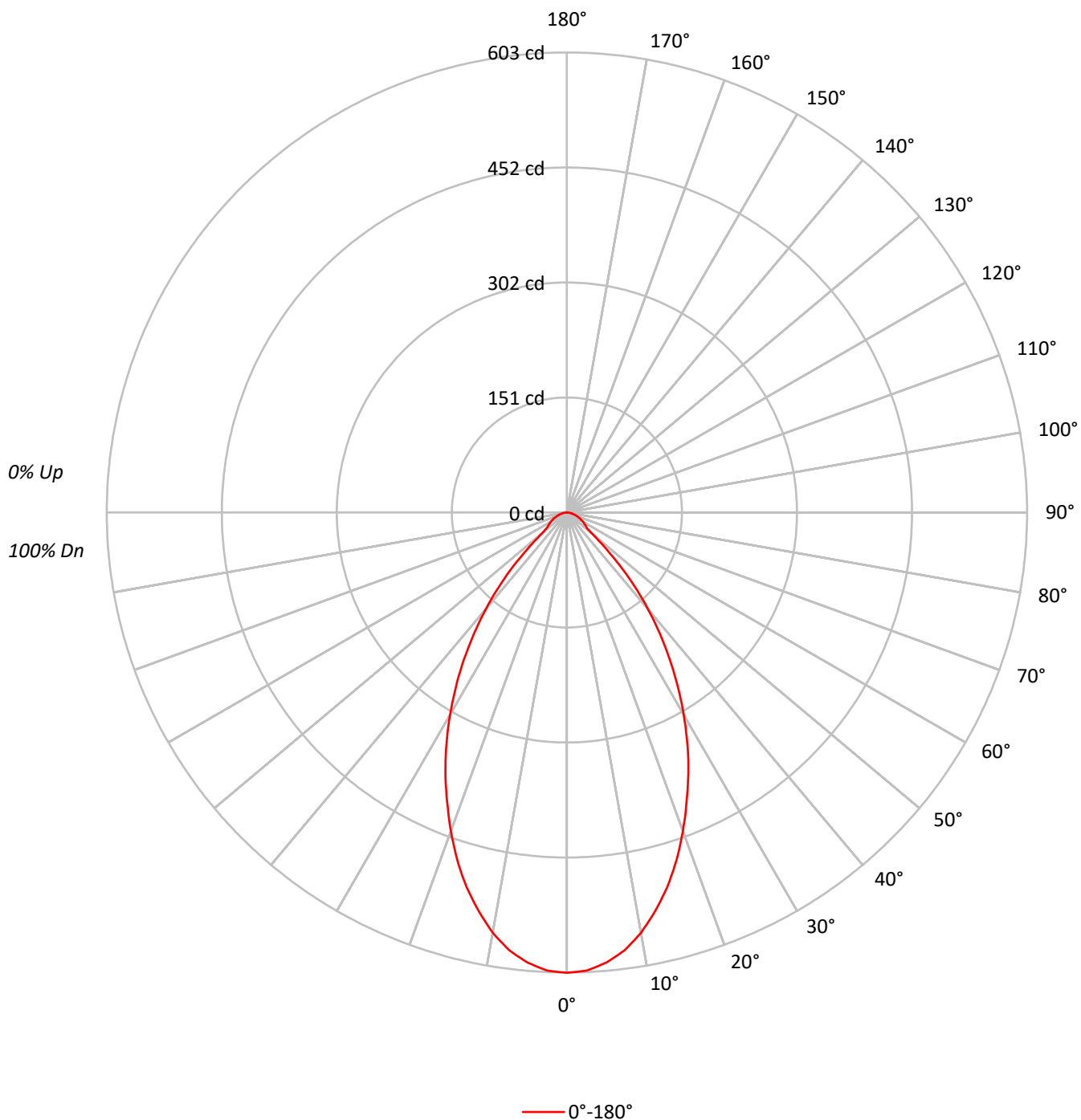
Lumens per Lamp: N/A
Luminaire Lumens: 651.0 lumens
Efficiency: N/A
Efficacy: 22.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	132292
5°	130354
10°	124580
15°	115370
20°	103679
25°	91142
30°	77506
35°	62854
40°	47203
45°	30422
50°	14464
55°	11354
60°	10745
65°	10014
70°	9040
75°	8218
80°	7450
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	8.5
10°-20°	141.7	21.8
20°-30°	172.2	26.4
30°-40°	146.0	22.4
40°-50°	75.8	11.7
50°-60°	27.4	4.2
60°-70°	18.9	2.9
70°-80°	10.3	1.6
80°-90°	3.3	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°	369.3	56.7
0°-40°	515.4	79.2
0°-60°	618.6	95.0
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	603	
5°	592	56
15°	508	142
25°	377	172
35°	235	146
45°	98	76
55°	30	27
65°	19	19
75°	10	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	603.3
2.5°	601.1
5°	592.2
7.5°	578.8
10°	559.5
12.5°	535.0
15°	508.2
17.5°	477.7
20°	444.3
22.5°	410.1
25°	376.7
27.5°	341.8
30°	306.1
32.5°	270.5
35°	234.8
37.5°	199.9
40°	164.9
42.5°	131.5
45°	98.1
47.5°	65.4
50°	42.4
52.5°	32.7
55°	29.7
57.5°	26.7
60°	24.5
62.5°	21.5
65°	19.3
67.5°	16.3
70°	14.1
72.5°	11.9
75°	9.7
77.5°	7.4
80°	5.9
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)