

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: P1270595

Luminaire Tested: P3A20R409740D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409740D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

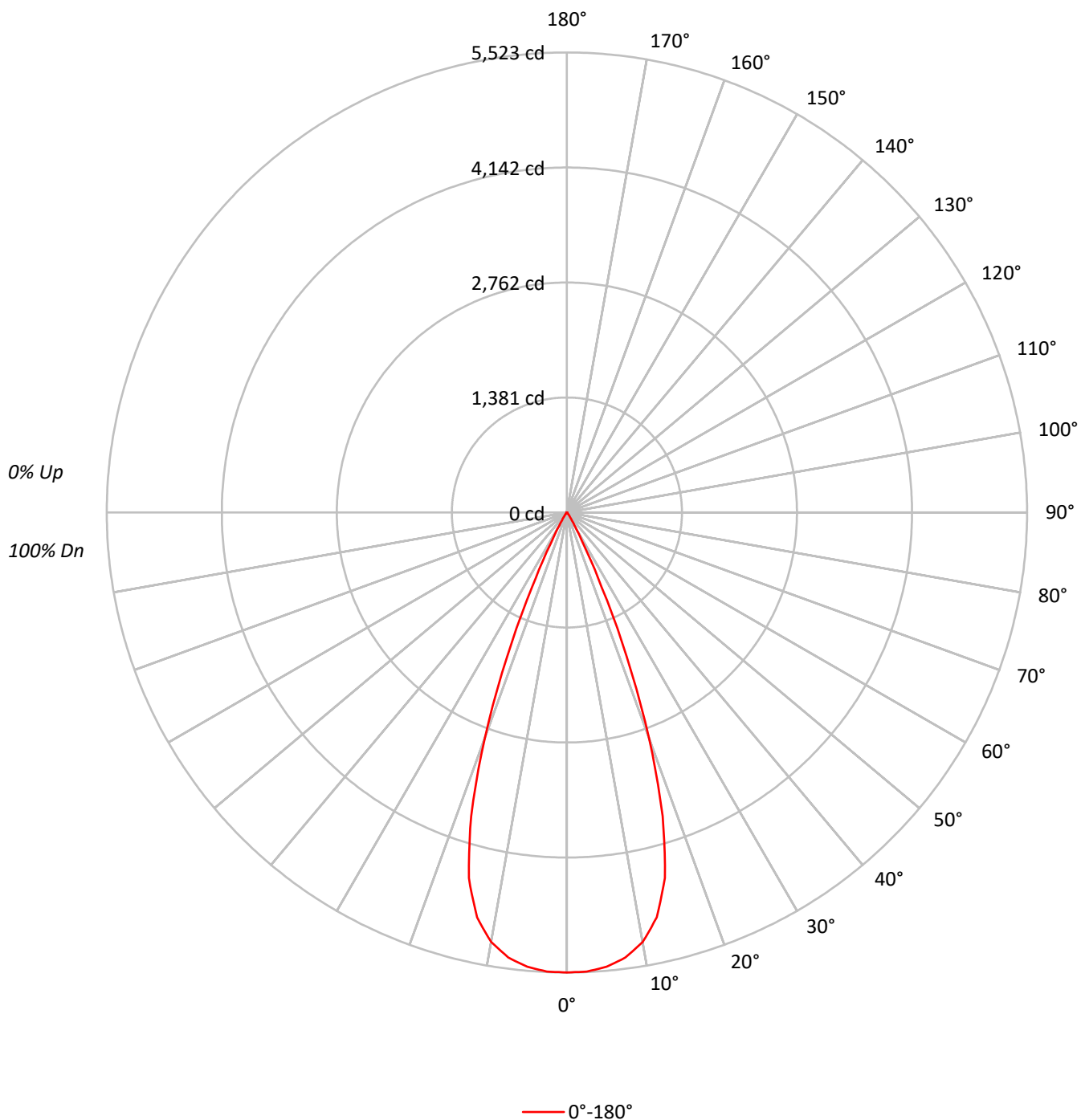
Lumens per Lamp: N/A
Luminaire Lumens: 2299.9 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1210999
5°	1205192
10°	1165910
15°	1031516
20°	673015
25°	238417
30°	50565
35°	16650
40°	6097
45°	2016
50°	1672
55°	1873
60°	1447
65°	1712
70°	1026
75°	1356
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 2688 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.2	22.4
10°-20°	1199.7	52.2
20°-30°	520.6	22.6
30°-40°	48.0	2.1
40°-50°	6.8	0.3
50°-60°	4.2	0.2
60°-70°	3.1	0.1
70°-80°	1.7	0.1
80°-90°	0.7	0.0
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°	2235.5	97.2
0°-40°	2283.5	99.3
0°-60°	2294.5	99.8
0°-90°	2299.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2299.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5523	
5°	5475	515
15°	4544	1200
25°	985	521
35°	62	48
45°	6	7
55°	5	4
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5522.6
2.5°	5516.1
5°	5475.2
7.5°	5388.4
10°	5236.2
12.5°	4979.2
15°	4543.8
17.5°	3822.0
20°	2884.1
22.5°	1872.5
25°	985.4
27.5°	423.9
30°	199.7
32.5°	108.0
35°	62.2
37.5°	37.6
40°	21.3
42.5°	11.5
45°	6.5
47.5°	4.9
50°	4.9
52.5°	4.9
55°	4.9
57.5°	4.9
60°	3.3
62.5°	3.3
65°	3.3
67.5°	3.3
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)