

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: P1263317

Luminaire Tested: P3A20R159727D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159727D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

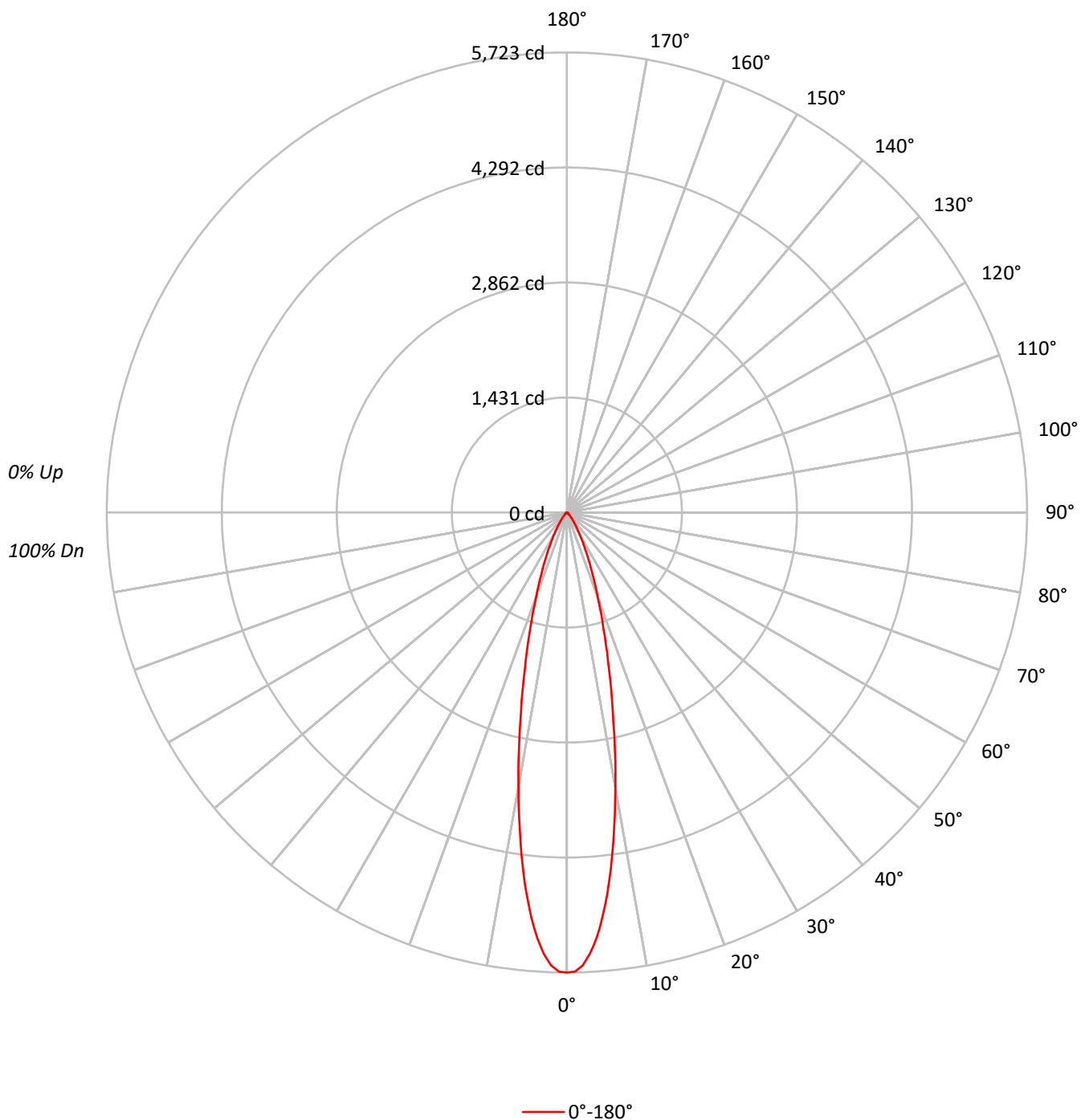
Lumens per Lamp: N/A
Luminaire Lumens: 1469.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1254921
5°	1113931
10°	773577
15°	457483
20°	260563
25°	148944
30°	82418
35°	43955
40°	24303
45°	13180
50°	8221
55°	6499
60°	5570
65°	5137
70°	4552
75°	4829
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13180 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.3	29.3
10°-20°	567.9	38.7
20°-30°	292.4	19.9
30°-40°	109.8	7.5
40°-50°	36.0	2.4
50°-60°	15.5	1.1
60°-70°	9.8	0.7
70°-80°	5.8	0.4
80°-90°	1.5	0.1
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°	1290.7	87.9
0°-40°	1400.5	95.3
0°-60°	1451.9	98.8
0°-90°	1469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5723	
5°	5061	430
15°	2015	568
25°	616	292
35°	164	110
45°	42	36
55°	17	15
65°	10	10
75°	6	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5722.9
1°	5711.5
2°	5636.5
3°	5493.6
4°	5305.4
5°	5060.6
6°	4783.2
7°	4478.9
8°	4140.7
9°	3806.7
10°	3474.2
12.5°	2673.2
15°	2015.2
17.5°	1508.5
20°	1116.6
22.5°	833.5
25°	615.6
27.5°	448.6
30°	325.5
32.5°	230.7
35°	164.2
37.5°	117.5
40°	84.9
42.5°	60.9
45°	42.5
47.5°	31.1
50°	24.1
52.5°	19.8
55°	17.0
57.5°	14.2
60°	12.7
62.5°	11.3
65°	9.9
67.5°	8.5
70°	7.1
72.5°	7.1
75°	5.7
77.5°	4.2
80°	2.8
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)