

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: P1268065

Luminaire Tested: P3A20R159735D010 E3CD1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159735D010 E3CD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

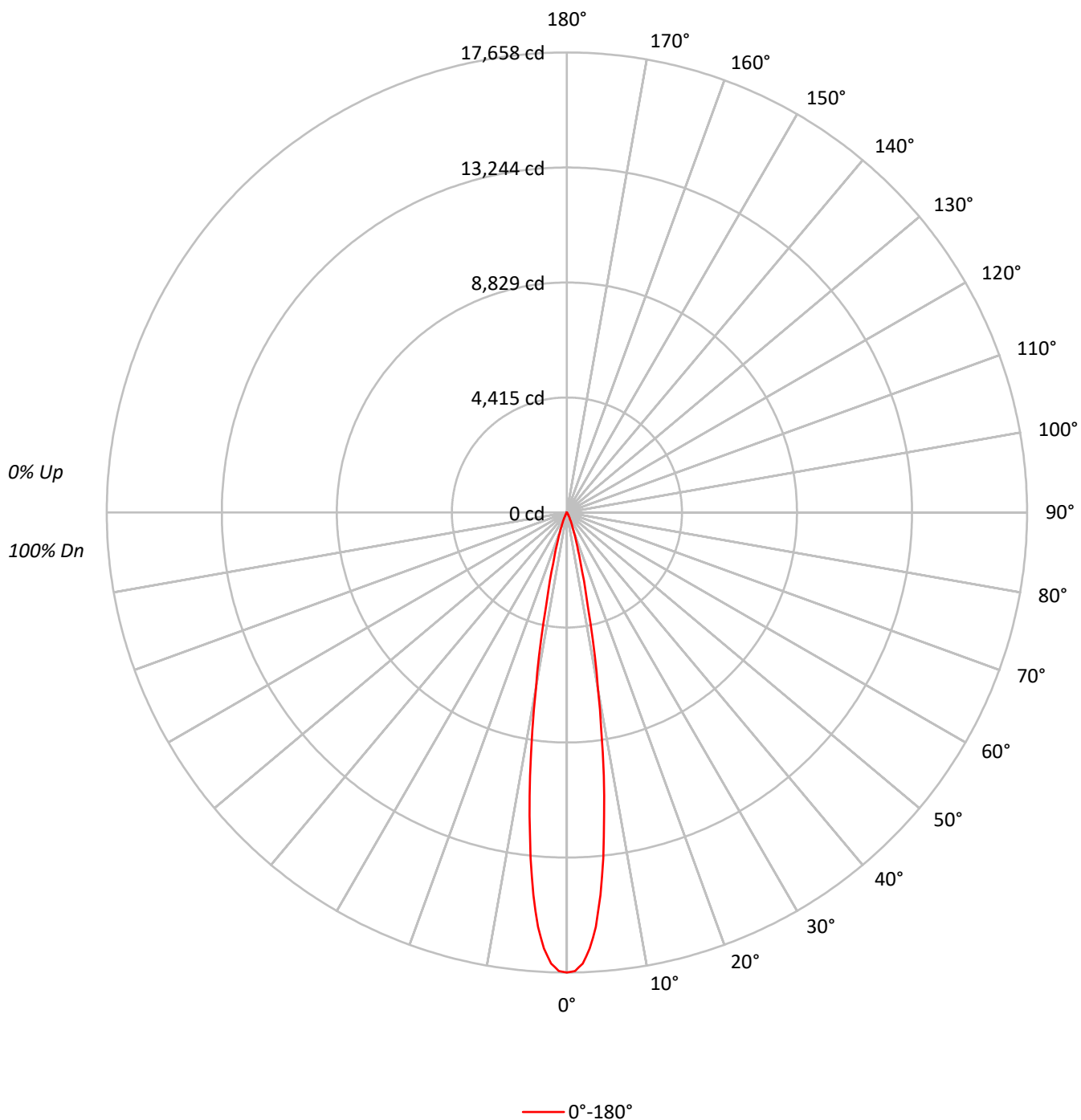
Lumens per Lamp: N/A
Luminaire Lumens: 1991.9 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	97	95	94
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	92	91
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94	92	90	89
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92	90	89	88
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91	89	87	86
9	97	92	89	87	97	92	89	87	91	88	86		90	88	86		90	87	86	85
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88	86	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3871970
5°	3245094
10°	1528562
15°	460843
20°	170511
25°	66294
30°	24713
35°	7576
40°	2691
45°	1458
50°	1058
55°	1185
60°	1360
65°	830
70°	1026
75°	1356
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1139.7	57.2
10°-20°	677.5	34.0
20°-30°	142.3	7.1
30°-40°	22.9	1.2
40°-50°	3.9	0.2
50°-60°	2.8	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
80°-90°	0.0	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°	1959.5	98.4
0°-40°	1982.5	99.5
0°-60°	1989.1	99.9
0°-90°	1991.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1991.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17658	
5°	14742	###
15°	2030	677
25°	274	142
35°	28	23
45°	5	4
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17657.6
1°	17602.5
2°	17322.2
3°	16761.5
4°	15939.4
5°	14742.5
6°	13336.1
7°	11728.2
8°	10192.7
9°	8454.0
10°	6864.9
12.5°	3704.1
15°	2030.0
17.5°	1189.0
20°	730.7
22.5°	447.3
25°	274.0
27.5°	165.4
30°	97.6
32.5°	55.1
35°	28.3
37.5°	15.7
40°	9.4
42.5°	6.3
45°	4.7
47.5°	3.1
50°	3.1
52.5°	3.1
55°	3.1
57.5°	3.1
60°	3.1
62.5°	1.6
65°	1.6
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)