

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: P1268071

Luminaire Tested: P3A20R159735D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159735D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

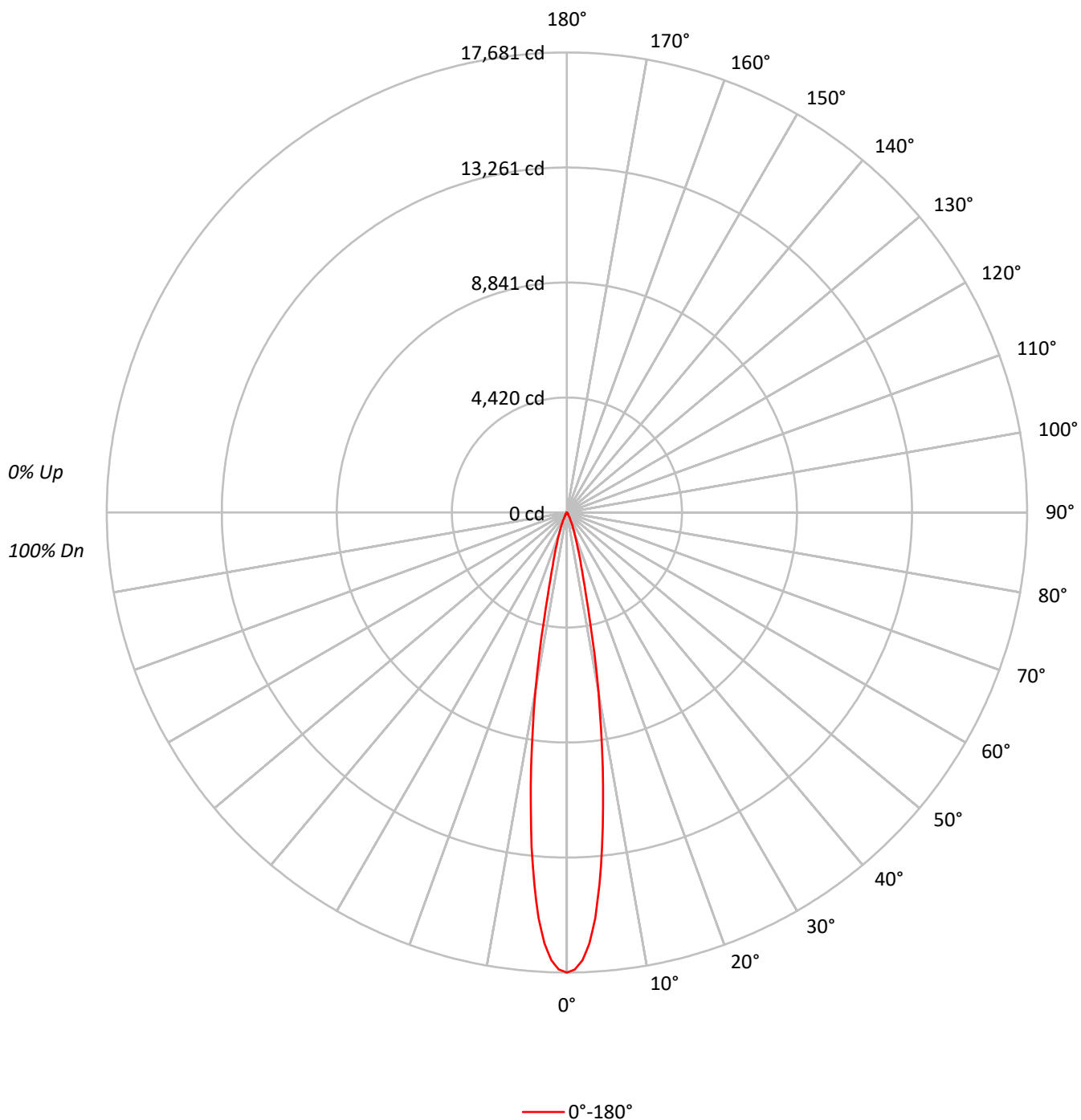
Lumens per Lamp: N/A
Luminaire Lumens: 2036.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1268071

CATALOG NUMBER: P3A20R159735D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1268071

CATALOG NUMBER: P3A20R159735D010 E3D1WMH

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111		113	112	110	109		108	107	105		104	103	102		101	100	99
2	112	109	107	105		110	108	105	103		105	103	101		102	100	99		99	98	97
3	110	106	102	100		108	104	102	99		102	100	98		100	98	96		98	96	95
4	107	102	99	96		105	101	98	96		99	97	95		98	96	94		96	94	93
5	105	100	96	94		103	99	96	93		97	94	92		96	93	92		94	93	91
6	102	97	94	91		101	96	93	91		95	92	90		94	92	90		93	91	89
7	100	95	91	89		99	94	91	89		93	90	88		92	90	88		91	89	88
8	98	93	89	87		97	92	89	87		91	89	87		91	88	86		90	88	86
9	96	91	88	85		96	91	87	85		90	87	85		89	87	85		89	86	85
10	95	89	86	84		94	89	86	84		88	85	83		88	85	83		87	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3877080
5°	3161493
10°	1548312
15°	473896
20°	200684
25°	90779
30°	35373
35°	16329
40°	5095
45°	1923
50°	785
55°	306
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1923 cd/sqm

TEST NUMBER: P1268071

CATALOG NUMBER: P3A20R159735D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1118.0	54.9
10°-20°	686.0	33.7
20°-30°	184.3	9.0
30°-40°	40.6	2.0
40°-50°	5.7	0.3
50°-60°	1.0	0.1
60°-70°	0.5	0.0
70°-80°	0.0	0.0
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°	1988.2	97.7
0°-40°	2028.8	99.6
0°-60°	2035.5	100.0
0°-90°	2036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17681	
5°	14363	###
15°	2088	686
25°	375	184
35°	61	41
45°	6	6
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1268071

CATALOG NUMBER: P3A20R159735D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	17680.9
1°	17570.5
2°	17216.1
3°	16577.6
4°	15616.5
5°	14362.7
6°	12944.5
7°	11364.9
8°	9913.5
9°	8374.9
10°	6953.6
11°	5547.0
12°	4267.7
13°	3282.6
14°	2598.6
15°	2087.5
17.5°	1293.9
20°	860.0
22.5°	579.0
25°	375.2
27.5°	222.3
30°	139.7
32.5°	94.2
35°	61.0
37.5°	34.0
40°	17.8
42.5°	10.0
45°	6.2
47.5°	3.9
50°	2.3
52.5°	1.5
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1268071
CATALOG NUMBER: P3A20R159735D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)