

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: P1252590

Luminaire Tested: P3AS20R159030D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252590
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: P3AS20R159030D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

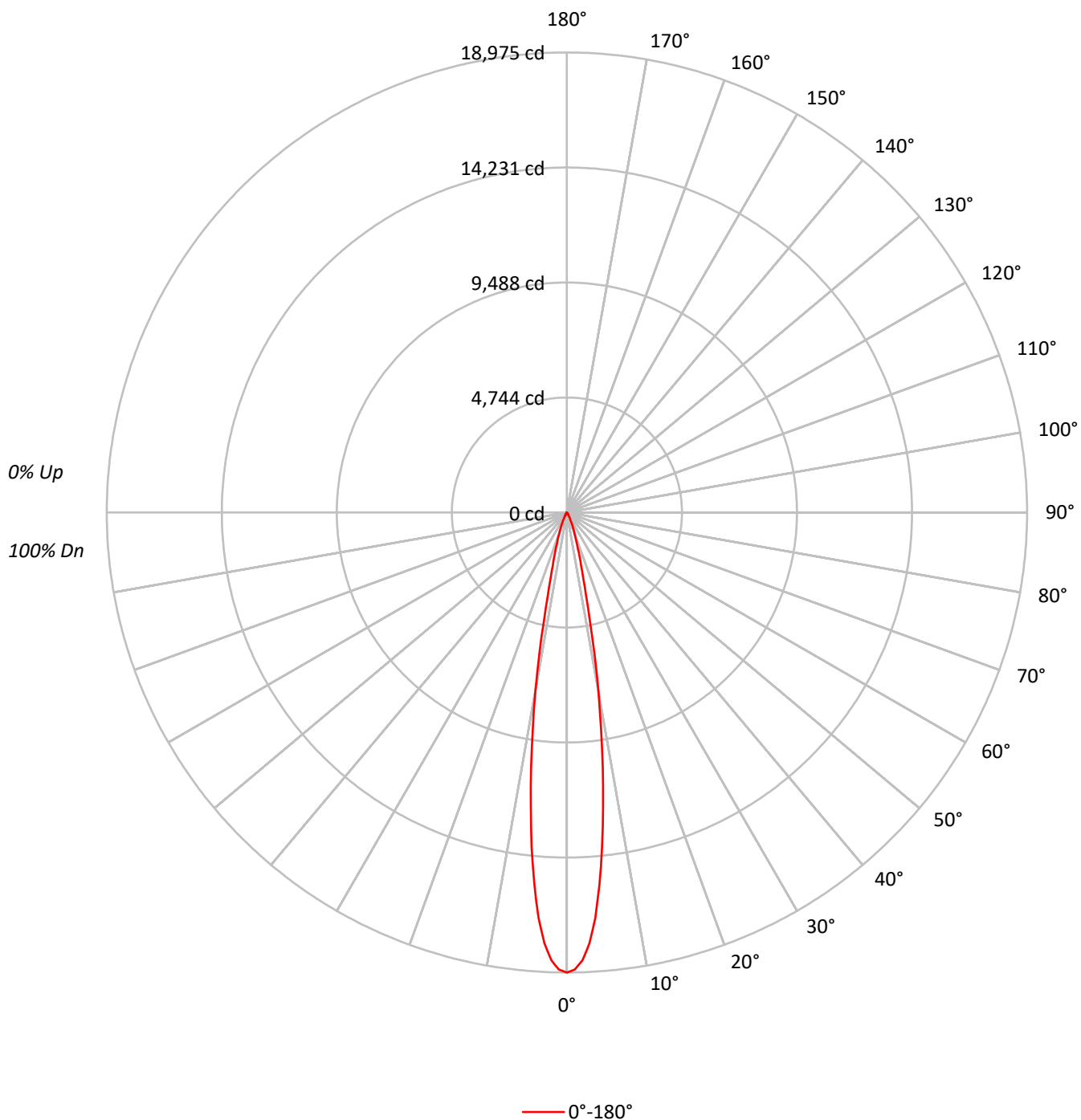
Lumens per Lamp: N/A
Luminaire Lumens: 2185.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252590

CATALOG NUMBER: P3AS20R159030D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1252590

CATALOG NUMBER: P3AS20R159030D010 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	50	30	10
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	105	104	103	102	101	100	99	98		
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94		
4	107	102	99	96	106	101	98	96	99	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	90		
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88		
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87		
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85		
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	89	86	85	84		
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4160807
5°	3392859
10°	1661626
15°	508584
20°	215385
25°	97433
30°	37981
35°	17534
40°	5467
45°	2047
50°	853
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: 2047 cd/sqm

TEST NUMBER: P1252590

CATALOG NUMBER: P3AS20R159030D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1199.8	54.9
10°-20°	736.2	33.7
20°-30°	197.8	9.1
30°-40°	43.6	2.0
40°-50°	6.1	0.3
50°-60°	1.1	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°	2133.8	97.7
0°-40°	2177.3	99.6
0°-60°	2184.5	100.0
0°-90°	2185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2185.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18975	
5°	15414	###
15°	2240	736
25°	403	198
35°	66	44
45°	7	6
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1252590

CATALOG NUMBER: P3AS20R159030D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	18974.8
1°	18856.3
2°	18476.0
3°	17790.8
4°	16759.3
5°	15413.8
6°	13891.8
7°	12196.7
8°	10639.0
9°	8987.8
10°	7462.5
11°	5952.9
12°	4580.1
13°	3522.9
14°	2788.8
15°	2240.3
17.5°	1388.6
20°	923.0
22.5°	621.4
25°	402.7
27.5°	238.6
30°	150.0
32.5°	101.1
35°	65.5
37.5°	36.5
40°	19.1
42.5°	10.8
45°	6.6
47.5°	4.1
50°	2.5
52.5°	1.7
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: P1252590

CATALOG NUMBER: P3AS20R159030D010 E3D1WMH

CANDELA DISTRIBUTION (continued):



(END OF REPORT)