

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: P1249883

Luminaire Tested: P3AS20R159027D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249883
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: P3AS20R159027D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

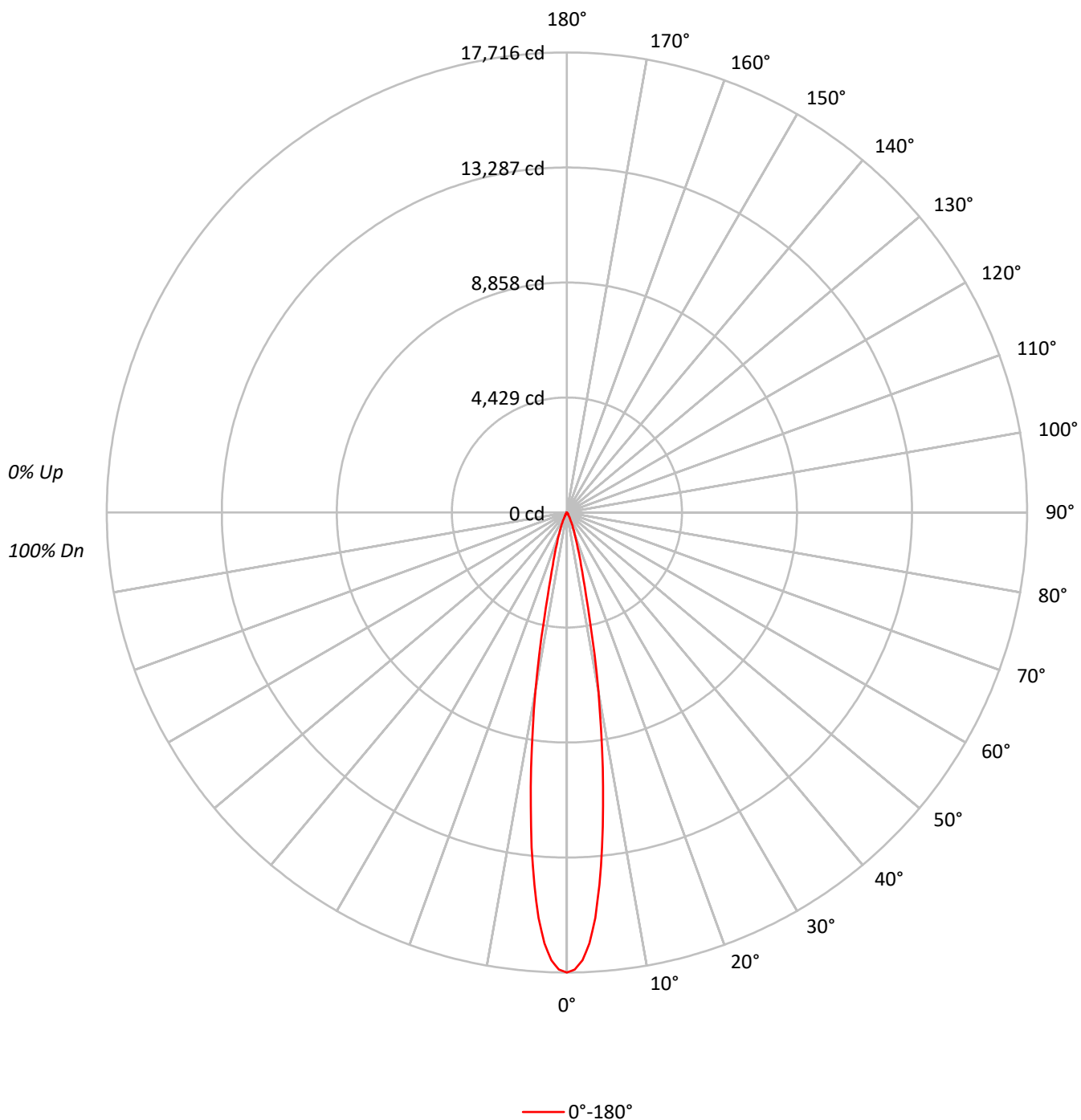
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1249883

CATALOG NUMBER: P3AS20R159027D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1249883

CATALOG NUMBER: P3AS20R159027D010 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	105	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°	3884689
5°	3167700
10°	1551363
15°	474827
20°	201081
25°	90949
30°	35448
35°	16356
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: P1249883

CATALOG NUMBER: P3AS20R159027D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1120.2	54.9
10°-20°	687.4	33.7
20°-30°	184.6	9.1
30°-40°	40.7	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°	1992.1	97.7
0°-40°	2032.8	99.6
0°-60°	2039.5	100.0
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17716	
5°	14391	###
15°	2092	687
25°	376	185
35°	61	41
45°	6	6
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1249883

CATALOG NUMBER: P3AS20R159027D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	17715.6
1°	17605.0
2°	17249.9
3°	16610.2
4°	15647.1
5°	14390.9
6°	12969.9
7°	11387.3
8°	9933.0
9°	8391.4
10°	6967.3
11°	5557.9
12°	4276.1
13°	3289.1
14°	2603.7
15°	2091.6
17.5°	1296.5
20°	861.7
22.5°	580.2
25°	375.9
27.5°	222.8
30°	140.0
32.5°	94.4
35°	61.1
37.5°	34.0
40°	17.8
42.5°	10.1
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: P1249883

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CANDELA DISTRIBUTION (continued):



(END OF REPORT)