

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: P1274617

Luminaire Tested: P3AS20R159830D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274617
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: P3AS20R159830D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

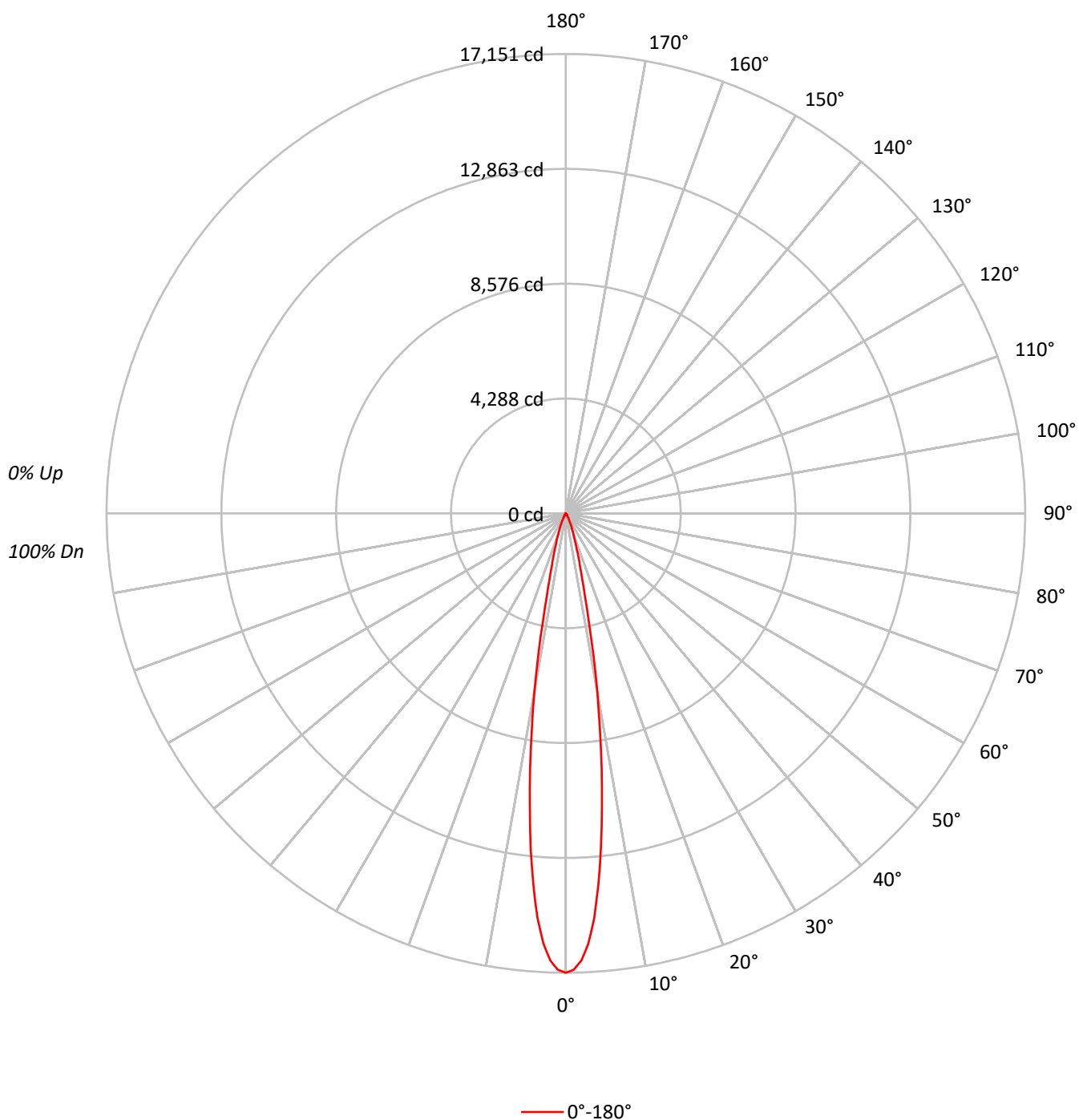
Lumens per Lamp: N/A
Luminaire Lumens: 1974.9 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1274617

CATALOG NUMBER: P3AS20R159830D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1274617

CATALOG NUMBER: P3AS20R159830D010 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°	3760905
5°	3066776
10°	1501932
15°	459708
20°	194687
25°	88070
30°	34309
35°	15847
40°	4924
45°	1861
50°	751
55°	268
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1861 cd/sqm

TEST NUMBER: P1274617

CATALOG NUMBER: P3AS20R159830D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1084.5	54.9
10°-20°	665.5	33.7
20°-30°	178.7	9.1
30°-40°	39.4	2.0
40°-50°	5.5	0.3
50°-60°	1.0	0.0
60°-70°	0.4	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°	1928.7	97.7
0°-40°	1968.1	99.7
0°-60°	1974.5	100.0
0°-90°	1974.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17151	
5°	13932	###
15°	2025	665
25°	364	179
35°	59	39
45°	6	5
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1274617

CATALOG NUMBER: P3AS20R159830D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	17151.1
1°	17044.0
2°	16700.3
3°	16081.0
4°	15148.6
5°	13932.4
6°	12556.7
7°	11024.4
8°	9616.5
9°	8124.0
10°	6745.3
11°	5380.8
12°	4139.9
13°	3184.3
14°	2520.8
15°	2025.0
17.5°	1255.1
20°	834.3
22.5°	561.7
25°	364.0
27.5°	215.7
30°	135.5
32.5°	91.4
35°	59.2
37.5°	33.0
40°	17.2
42.5°	9.7
45°	6.0
47.5°	3.7
50°	2.2
52.5°	1.5
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
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: P1274617

CATALOG NUMBER: P3AS20R159830D010 E3D1WMH

CANDELA DISTRIBUTION (continued):



(END OF REPORT)