

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: P1252831

Luminaire Tested: P3AS20R559030D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559030D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

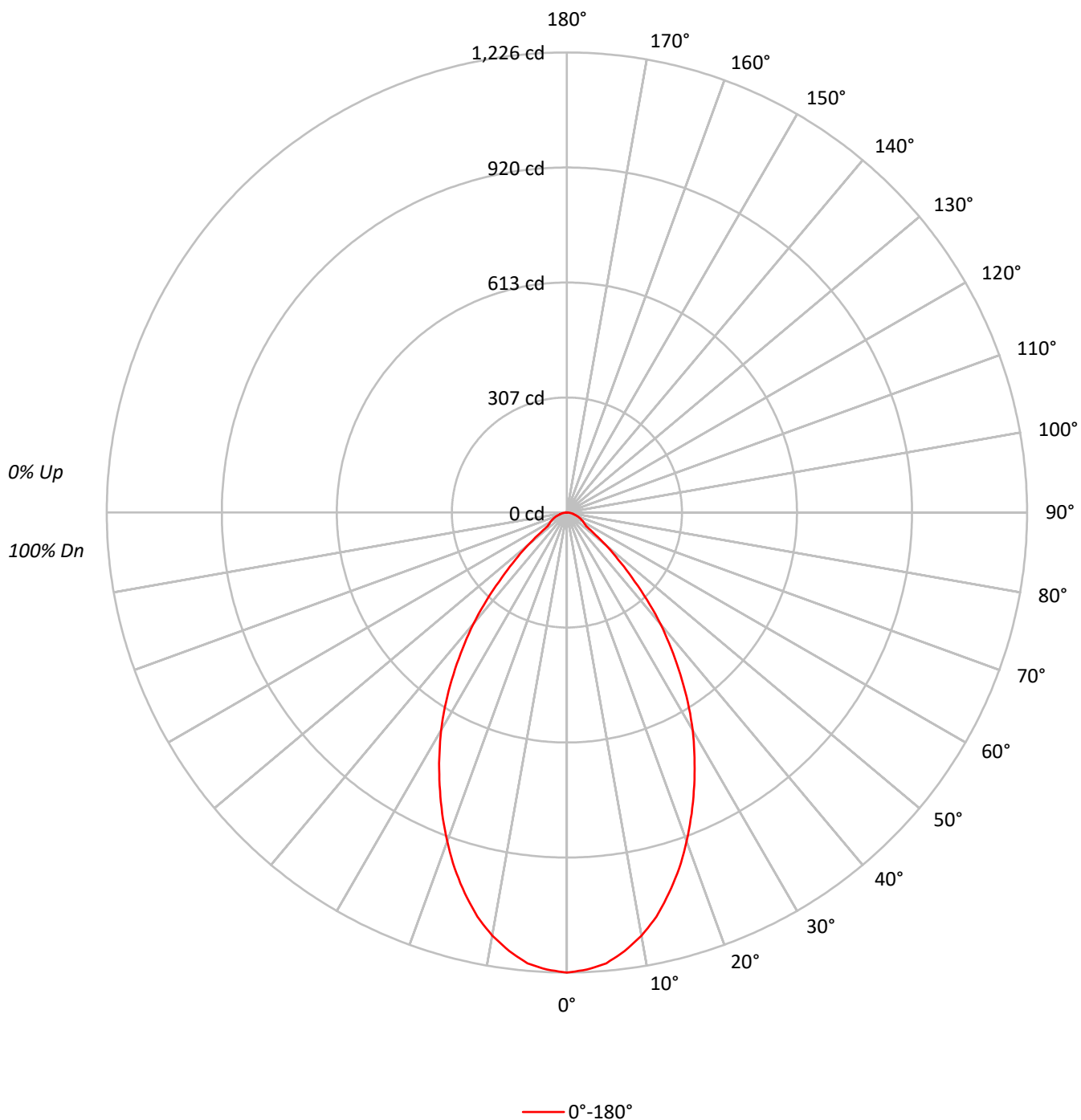
Lumens per Lamp: N/A
Luminaire Lumens: 1430.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252831

CATALOG NUMBER: P3AS20R559030D010 E3DLD1H

Luminous Intensity Polar Plot



TEST NUMBER: P1252831

CATALOG NUMBER: P3AS20R559030D010 E3DLD1H

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	268882
5°	265441
10°	254972
15°	238480
20°	217556
25°	194116
30°	169773
35°	141074
40°	111208
45°	75419
50°	46088
55°	23894
60°	22235
65°	21014
70°	19490
75°	17199
80°	17048
85°	12831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75419 cd/sqm

TEST NUMBER: P1252831

CATALOG NUMBER: P3AS20R559030D010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	7.9
10°-20°	293.6	20.5
20°-30°	367.7	25.7
30°-40°	328.2	23.0
40°-50°	192.2	13.4
50°-60°	66.4	4.6
60°-70°	40.1	2.8
70°-80°	22.3	1.6
80°-90°	6.4	0.4
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°	774.4	54.2
0°-40°	1102.6	77.1
0°-60°	1361.2	95.2
0°-90°	1430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1430.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1226	
5°	1206	113
15°	1050	294
25°	802	368
35°	527	328
45°	243	192
55°	62	66
65°	40	40
75°	20	22
85°	5	6
90°	0	

TEST NUMBER: P1252831

CATALOG NUMBER: P3AS20R559030D010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1226.2
2.5°	1219.4
5°	1205.9
7.5°	1178.9
10°	1145.1
12.5°	1102.9
15°	1050.5
17.5°	994.8
20°	932.3
22.5°	868.1
25°	802.3
27.5°	736.4
30°	670.5
32.5°	599.6
35°	527.0
37.5°	456.0
40°	388.5
42.5°	315.8
45°	243.2
47.5°	185.8
50°	135.1
52.5°	87.8
55°	62.5
57.5°	55.7
60°	50.7
62.5°	45.6
65°	40.5
67.5°	35.5
70°	30.4
72.5°	25.3
75°	20.3
77.5°	16.9
80°	13.5
82.5°	8.4
85°	5.1
87.5°	3.4
90°	0.0

(END OF REPORT)