

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: P1260842

Luminaire Tested: P3AS20R559050D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260842
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: P3AS20R559050D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

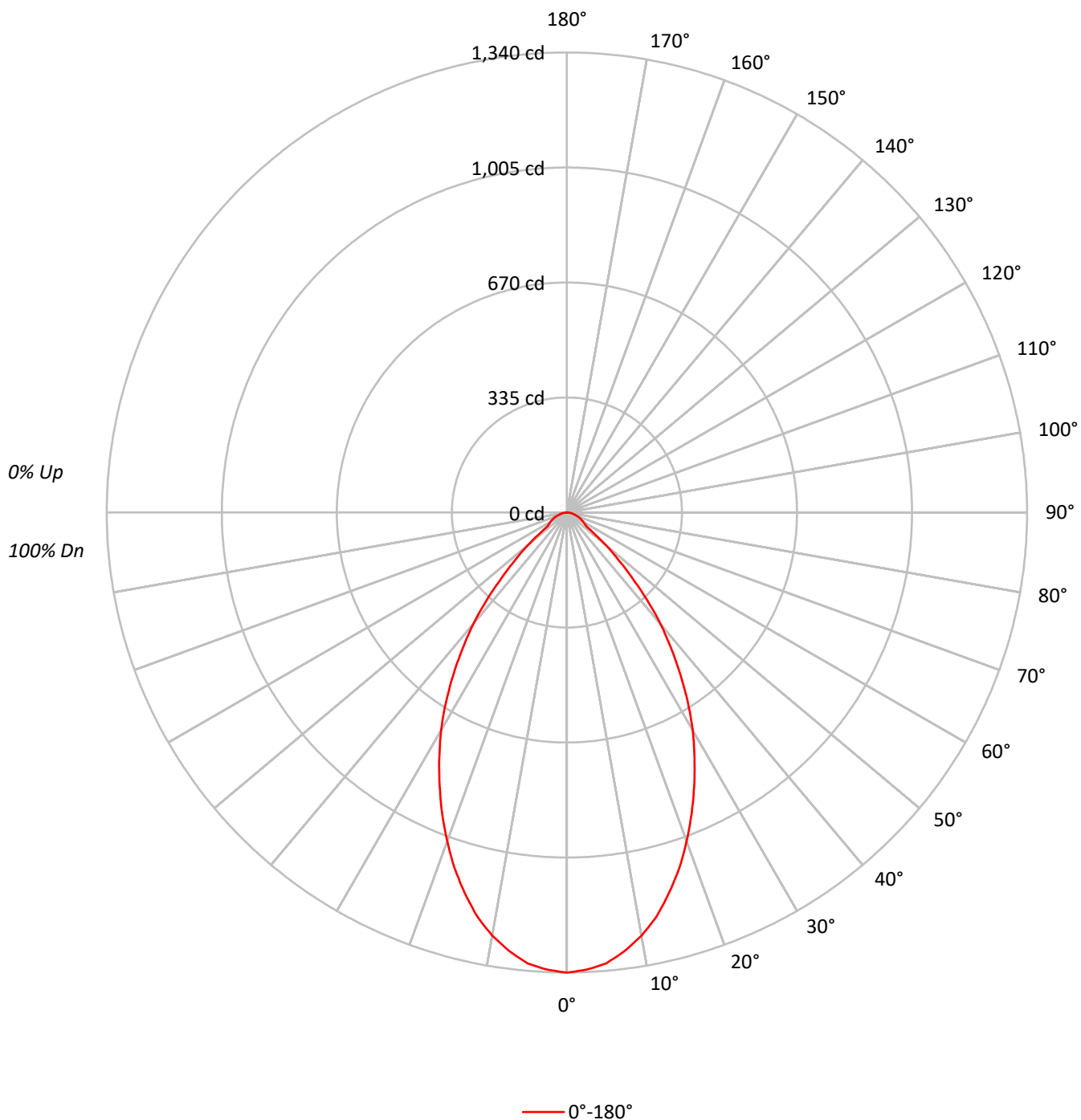
Lumens per Lamp: N/A
Luminaire Lumens: 1563.0 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1260842

CATALOG NUMBER: P3AS20R559050D010 E3DLD1H

Luminous Intensity Polar Plot



TEST NUMBER: P1260842

CATALOG NUMBER: P3AS20R559050D010 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°	293880
5°	290138
10°	278686
15°	260660
20°	237787
25°	212165
30°	185573
35°	154191
40°	121542
45°	82427
50°	50386
55°	26111
60°	24296
65°	22986
70°	21286
75°	18809
80°	18689
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82427 cd/sqm

TEST NUMBER: P1260842

CATALOG NUMBER: P3AS20R559050D010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	7.9
10°-20°	320.9	20.5
20°-30°	401.9	25.7
30°-40°	358.7	23.0
40°-50°	210.1	13.4
50°-60°	72.6	4.6
60°-70°	43.8	2.8
70°-80°	24.4	1.6
80°-90°	7.0	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°	846.4	54.2
0°-40°	1205.2	77.1
0°-60°	1487.8	95.2
0°-90°	1563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1340	
5°	1318	124
15°	1148	321
25°	877	402
35°	576	359
45°	266	210
55°	68	73
65°	44	44
75°	22	24
85°	6	7
90°	0	

TEST NUMBER: P1260842

CATALOG NUMBER: P3AS20R559050D010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1340.2
2.5°	1332.8
5°	1318.1
7.5°	1288.5
10°	1251.6
12.5°	1205.5
15°	1148.2
17.5°	1087.3
20°	1019.0
22.5°	948.9
25°	876.9
27.5°	804.9
30°	732.9
32.5°	655.3
35°	576.0
37.5°	498.4
40°	424.6
42.5°	345.2
45°	265.8
47.5°	203.1
50°	147.7
52.5°	96.0
55°	68.3
57.5°	60.9
60°	55.4
62.5°	49.8
65°	44.3
67.5°	38.8
70°	33.2
72.5°	27.7
75°	22.2
77.5°	18.5
80°	14.8
82.5°	9.2
85°	5.5
87.5°	3.7
90°	0.0

(END OF REPORT)