

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: P1263553

Luminaire Tested: P3A20R559727D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263553
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: P3A20R559727D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

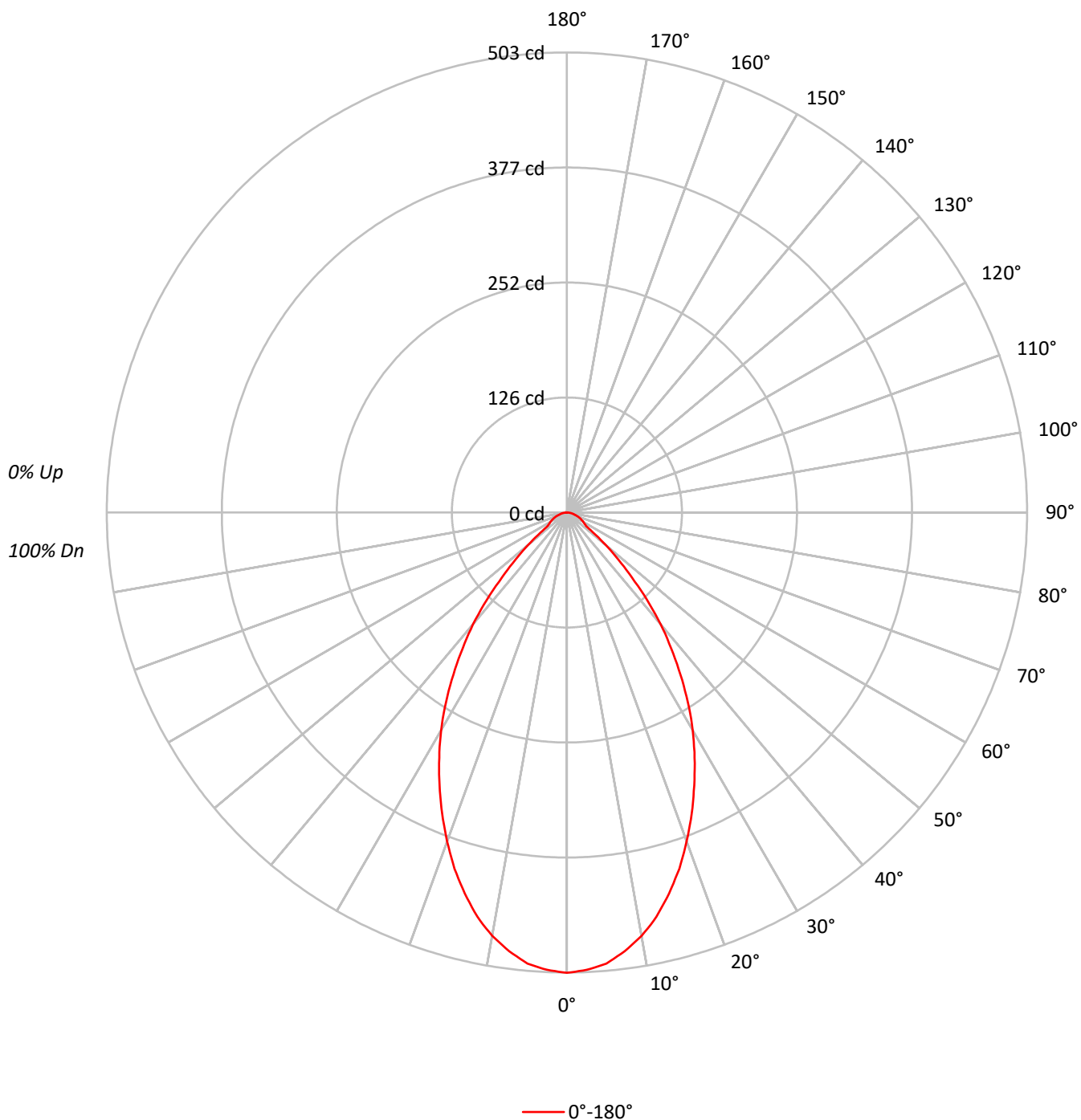
Lumens per Lamp: N/A
Luminaire Lumens: 587.0 lumens
Efficiency: N/A
Efficacy: 20.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263553

CATALOG NUMBER: P3A20R559727D010 E3DLD1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1263553

CATALOG NUMBER: P3A20R559727D010 E3DLD1GPH

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°	110364
5°	108959
10°	104674
15°	97889
20°	89304
25°	79674
30°	69682
35°	57902
40°	45657
45°	30949
50°	18933
55°	9825
60°	9122
65°	8613
70°	8014
75°	7032
80°	6945
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30949 cd/sqm

TEST NUMBER: P1263553

CATALOG NUMBER: P3A20R559727D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	7.9
10°-20°	120.5	20.5
20°-30°	150.9	25.7
30°-40°	134.7	23.0
40°-50°	78.9	13.4
50°-60°	27.3	4.6
60°-70°	16.5	2.8
70°-80°	9.1	1.6
80°-90°	2.7	0.5
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°	317.9	54.2
0°-40°	452.6	77.1
0°-60°	558.8	95.2
0°-90°	587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	503	
5°	495	46
15°	431	121
25°	329	151
35°	216	135
45°	100	79
55°	26	27
65°	17	16
75°	8	9
85°	2	3
90°	0	

TEST NUMBER: P1263553

CATALOG NUMBER: P3A20R559727D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	503.3
2.5°	500.6
5°	495.0
7.5°	483.9
10°	470.1
12.5°	452.7
15°	431.2
17.5°	408.4
20°	382.7
22.5°	356.4
25°	329.3
27.5°	302.3
30°	275.2
32.5°	246.1
35°	216.3
37.5°	187.2
40°	159.5
42.5°	129.6
45°	99.8
47.5°	76.3
50°	55.5
52.5°	36.1
55°	25.7
57.5°	22.9
60°	20.8
62.5°	18.7
65°	16.6
67.5°	14.6
70°	12.5
72.5°	10.4
75°	8.3
77.5°	6.9
80°	5.5
82.5°	3.5
85°	2.1
87.5°	1.4
90°	0.0

(END OF REPORT)