

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: P1270690

Luminaire Tested: P3A20R559740D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270690
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: P3A20R559740D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

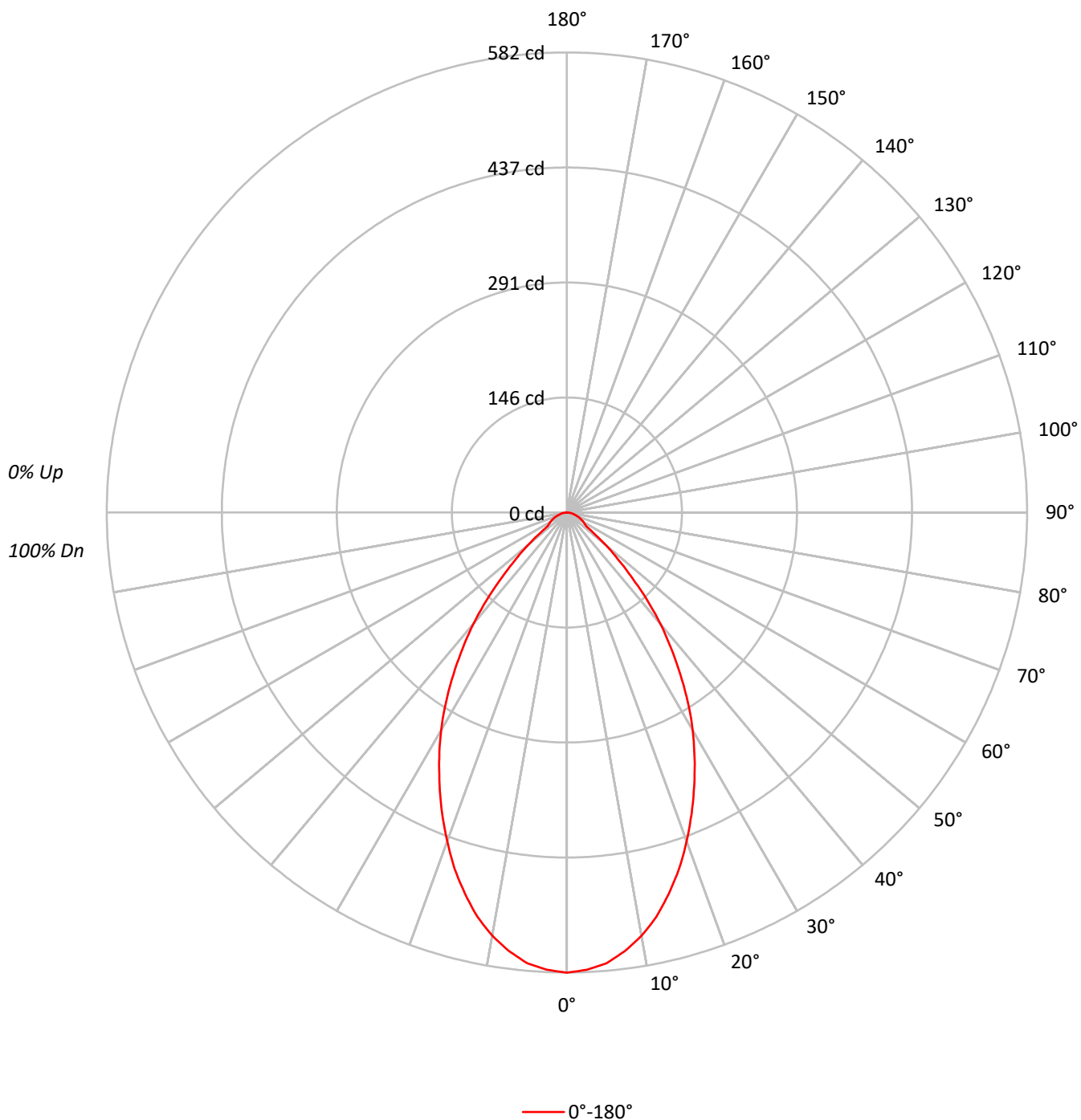
Lumens per Lamp: N/A
Luminaire Lumens: 679.0 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270690

CATALOG NUMBER: P3A20R559740D010 E3DLD1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1270690

CATALOG NUMBER: P3A20R559740D010 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	96		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°	127665
5°	126040
10°	121062
15°	113236
20°	103306
25°	92159
30°	80620
35°	66977
40°	52785
45°	35818
50°	21901
55°	11354
60°	10569
65°	9962
70°	9232
75°	8133
80°	8082
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35818 cd/sqm

TEST NUMBER: P1270690

CATALOG NUMBER: P3A20R559740D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	7.9
10°-20°	139.4	20.5
20°-30°	174.6	25.7
30°-40°	155.8	23.0
40°-50°	91.3	13.4
50°-60°	31.5	4.6
60°-70°	19.0	2.8
70°-80°	10.5	1.6
80°-90°	3.0	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°	367.7	54.2
0°-40°	523.6	77.1
0°-60°	646.4	95.2
0°-90°	679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	679.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	582	
5°	573	54
15°	499	139
25°	381	175
35°	250	156
45°	116	91
55°	30	32
65°	19	19
75°	10	11
85°	2	3
90°	0	

TEST NUMBER: P1270690

CATALOG NUMBER: P3A20R559740D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	582.2
2.5°	579.0
5°	572.6
7.5°	559.8
10°	543.7
12.5°	523.7
15°	498.8
17.5°	472.4
20°	442.7
22.5°	412.2
25°	380.9
27.5°	349.7
30°	318.4
32.5°	284.7
35°	250.2
37.5°	216.5
40°	184.4
42.5°	150.0
45°	115.5
47.5°	88.2
50°	64.2
52.5°	41.7
55°	29.7
57.5°	26.5
60°	24.1
62.5°	21.7
65°	19.2
67.5°	16.8
70°	14.4
72.5°	12.0
75°	9.6
77.5°	8.0
80°	6.4
82.5°	4.0
85°	2.4
87.5°	1.6
90°	0.0

(END OF REPORT)