

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: P1272787

Luminaire Tested: P3AS20R559827D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272787
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: P3AS20R559827D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

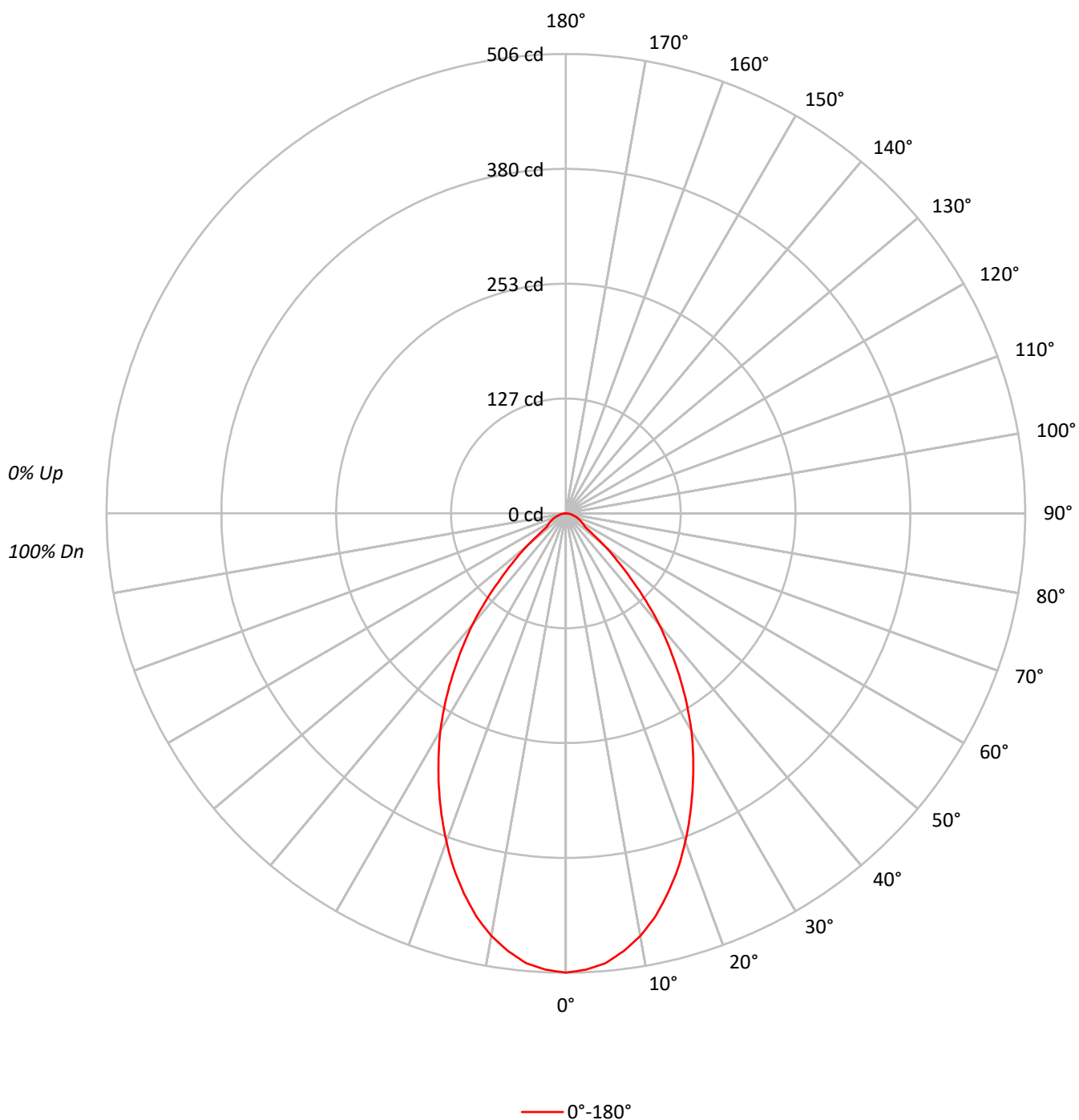
Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





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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°	110934
5°	109509
10°	105208
15°	98389
20°	89771
25°	80085
30°	70036
35°	58196
40°	45886
45°	31104
50°	19002
55°	9863
60°	9166
65°	8665
70°	8014
75°	7117
80°	7072
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 31104 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	7.9
10°-20°	121.1	20.5
20°-30°	151.7	25.7
30°-40°	135.4	23.0
40°-50°	79.3	13.4
50°-60°	27.4	4.6
60°-70°	16.5	2.8
70°-80°	9.2	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°	319.5	54.2
0°-40°	454.9	77.1
0°-60°	561.6	95.2
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	506	
5°	498	47
15°	433	121
25°	331	152
35°	217	135
45°	100	79
55°	26	27
65°	17	17
75°	8	9
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	505.9
2.5°	503.1
5°	497.5
7.5°	486.4
10°	472.5
12.5°	455.0
15°	433.4
17.5°	410.4
20°	384.7
22.5°	358.2
25°	331.0
27.5°	303.8
30°	276.6
32.5°	247.4
35°	217.4
37.5°	188.1
40°	160.3
42.5°	130.3
45°	100.3
47.5°	76.7
50°	55.7
52.5°	36.2
55°	25.8
57.5°	23.0
60°	20.9
62.5°	18.8
65°	16.7
67.5°	14.6
70°	12.5
72.5°	10.5
75°	8.4
77.5°	7.0
80°	5.6
82.5°	3.5
85°	2.1
87.5°	1.4
90°	0.0

(END OF REPORT)