

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: P1272739

Luminaire Tested: P3AS20R459827D010 E3DLP1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459827D010 E3DLP1WH
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3DLP1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

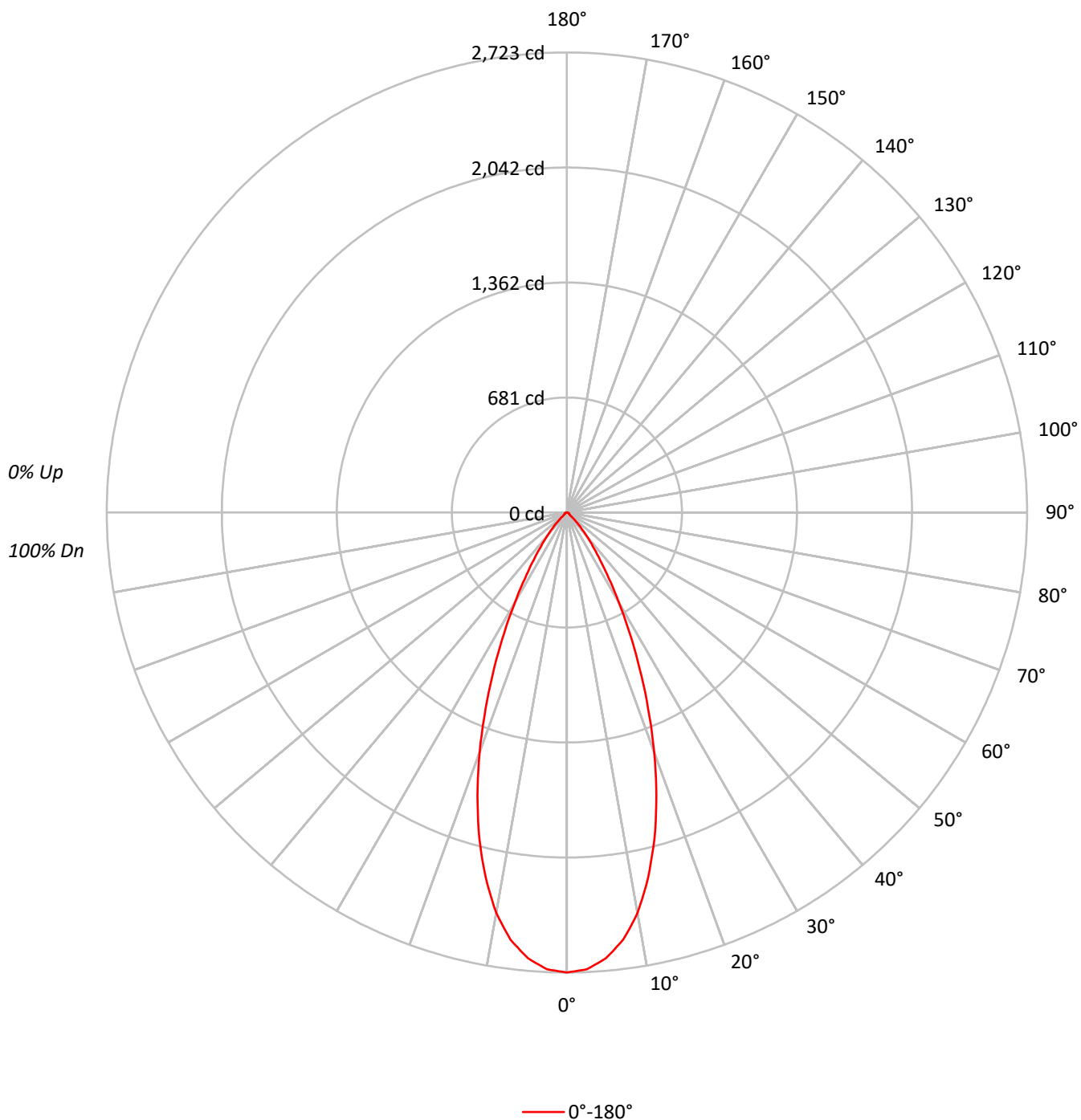
Lumens per Lamp: N/A
Luminaire Lumens: 1590.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	597101
5°	583115
10°	536018
15°	454191
20°	352387
25°	246329
30°	155188
35°	91363
40°	51697
45°	25119
50°	8733
55°	7073
60°	6842
65°	6641
70°	6411
75°	6015
80°	5430
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.2	15.4
10°-20°	549.4	34.6
20°-30°	466.5	29.3
30°-40°	222.6	14.0
40°-50°	67.0	4.2
50°-60°	17.0	1.1
60°-70°	12.7	0.8
70°-80°	7.5	0.5
80°-90°	2.1	0.1
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°	1261.1	79.3
0°-40°	1483.7	93.3
0°-60°	1567.7	98.6
0°-90°	1590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2723	
5°	2649	245
15°	2001	549
25°	1018	467
35°	341	223
45°	81	67
55°	18	17
65°	13	13
75°	7	8
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2723.0
2.5°	2705.9
5°	2649.1
7.5°	2550.9
10°	2407.3
12.5°	2216.8
15°	2000.7
17.5°	1760.3
20°	1510.1
22.5°	1255.6
25°	1018.1
27.5°	802.0
30°	612.9
32.5°	460.7
35°	341.3
37.5°	251.7
40°	180.6
42.5°	125.1
45°	81.0
47.5°	45.5
50°	25.6
52.5°	19.9
55°	18.5
57.5°	17.1
60°	15.6
62.5°	14.2
65°	12.8
67.5°	11.4
70°	10.0
72.5°	8.5
75°	7.1
77.5°	5.7
80°	4.3
82.5°	2.8
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)