

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: P1250090

Luminaire Tested: P3AS20R509027D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509027D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

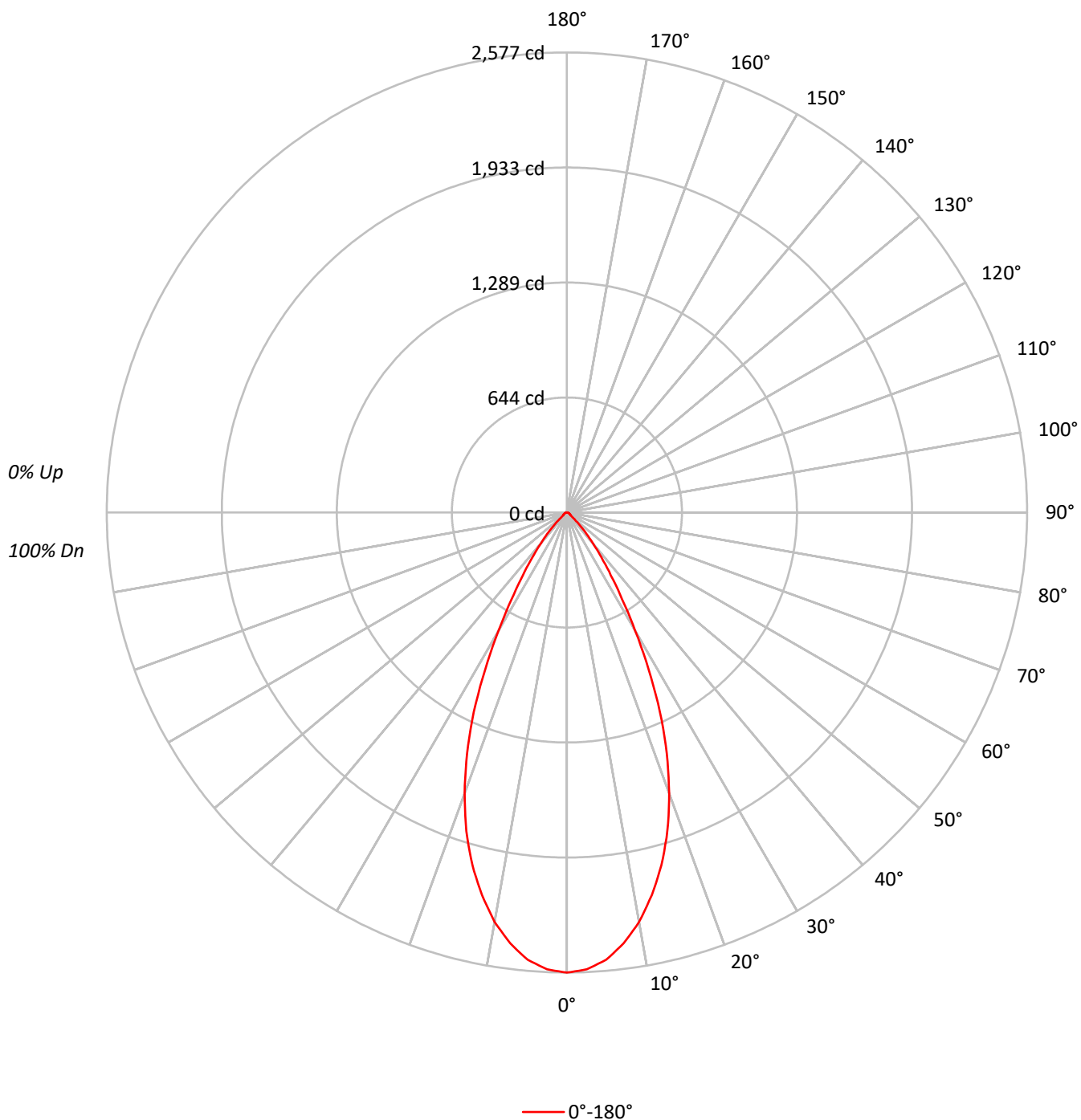
Lumens per Lamp: N/A
Luminaire Lumens: 1775.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	565130
5°	553730
10°	518672
15°	464316
20°	390751
25°	298227
30°	193802
35°	114920
40°	66410
45°	33275
50°	12383
55°	9672
60°	8991
65°	8198
70°	8078
75°	8049
80°	7956
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33275 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	13.2
10°-20°	565.6	31.9
20°-30°	554.9	31.3
30°-40°	279.6	15.8
40°-50°	88.3	5.0
50°-60°	22.9	1.3
60°-70°	16.2	0.9
70°-80°	10.0	0.6
80°-90°	3.4	0.2
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°	1354.6	76.3
0°-40°	1634.1	92.1
0°-60°	1745.3	98.3
0°-90°	1775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1775.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2577	
5°	2516	234
15°	2045	566
25°	1233	555
35°	429	280
45°	107	88
55°	25	23
65°	16	16
75°	10	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2577.2
2.5°	2561.4
5°	2515.6
7.5°	2433.6
10°	2329.4
12.5°	2195.3
15°	2045.3
17.5°	1871.7
20°	1674.5
22.5°	1461.4
25°	1232.6
27.5°	989.5
30°	765.4
32.5°	576.0
35°	429.3
37.5°	317.2
40°	232.0
42.5°	164.1
45°	107.3
47.5°	61.5
50°	36.3
52.5°	26.8
55°	25.3
57.5°	22.1
60°	20.5
62.5°	18.9
65°	15.8
67.5°	14.2
70°	12.6
72.5°	11.0
75°	9.5
77.5°	7.9
80°	6.3
82.5°	4.7
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)