

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: P1258212

Luminaire Tested: P3AS20R509040D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258212
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: P3AS20R509040D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

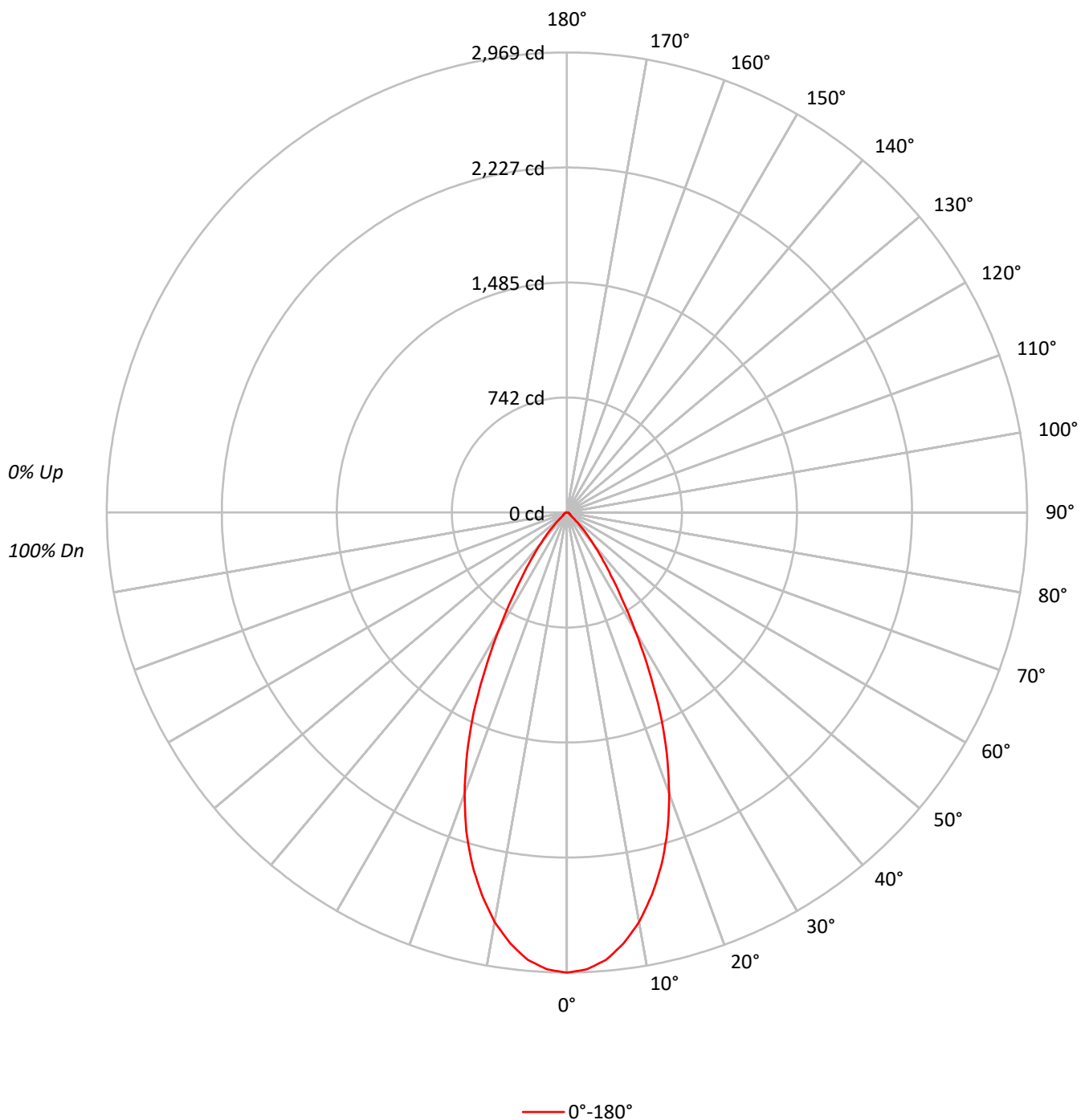
Lumens per Lamp: N/A
Luminaire Lumens: 2045.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	651088
5°	637969
10°	597562
15°	534963
20°	450186
25°	343592
30°	223300
35°	132401
40°	76515
45°	38330
50°	14260
55°	11125
60°	10350
65°	9443
70°	9296
75°	9235
80°	9218
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.6	13.2
10°-20°	651.7	31.9
20°-30°	639.3	31.3
30°-40°	322.1	15.8
40°-50°	101.8	5.0
50°-60°	26.4	1.3
60°-70°	18.7	0.9
70°-80°	11.5	0.6
80°-90°	4.0	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°	1560.6	76.3
0°-40°	1882.8	92.1
0°-60°	2010.9	98.3
0°-90°	2045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2969	
5°	2898	270
15°	2356	652
25°	1420	639
35°	495	322
45°	124	102
55°	29	26
65°	18	19
75°	11	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2969.2
2.5°	2951.0
5°	2898.3
7.5°	2803.8
10°	2683.7
12.5°	2529.2
15°	2356.5
17.5°	2156.5
20°	1929.2
22.5°	1683.7
25°	1420.1
27.5°	1140.0
30°	881.9
32.5°	663.7
35°	494.6
37.5°	365.5
40°	267.3
42.5°	189.1
45°	123.6
47.5°	70.9
50°	41.8
52.5°	30.9
55°	29.1
57.5°	25.5
60°	23.6
62.5°	21.8
65°	18.2
67.5°	16.4
70°	14.5
72.5°	12.7
75°	10.9
77.5°	9.1
80°	7.3
82.5°	5.5
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)