

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: P1250440

Luminaire Tested: P3AS24R509027D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R509027D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

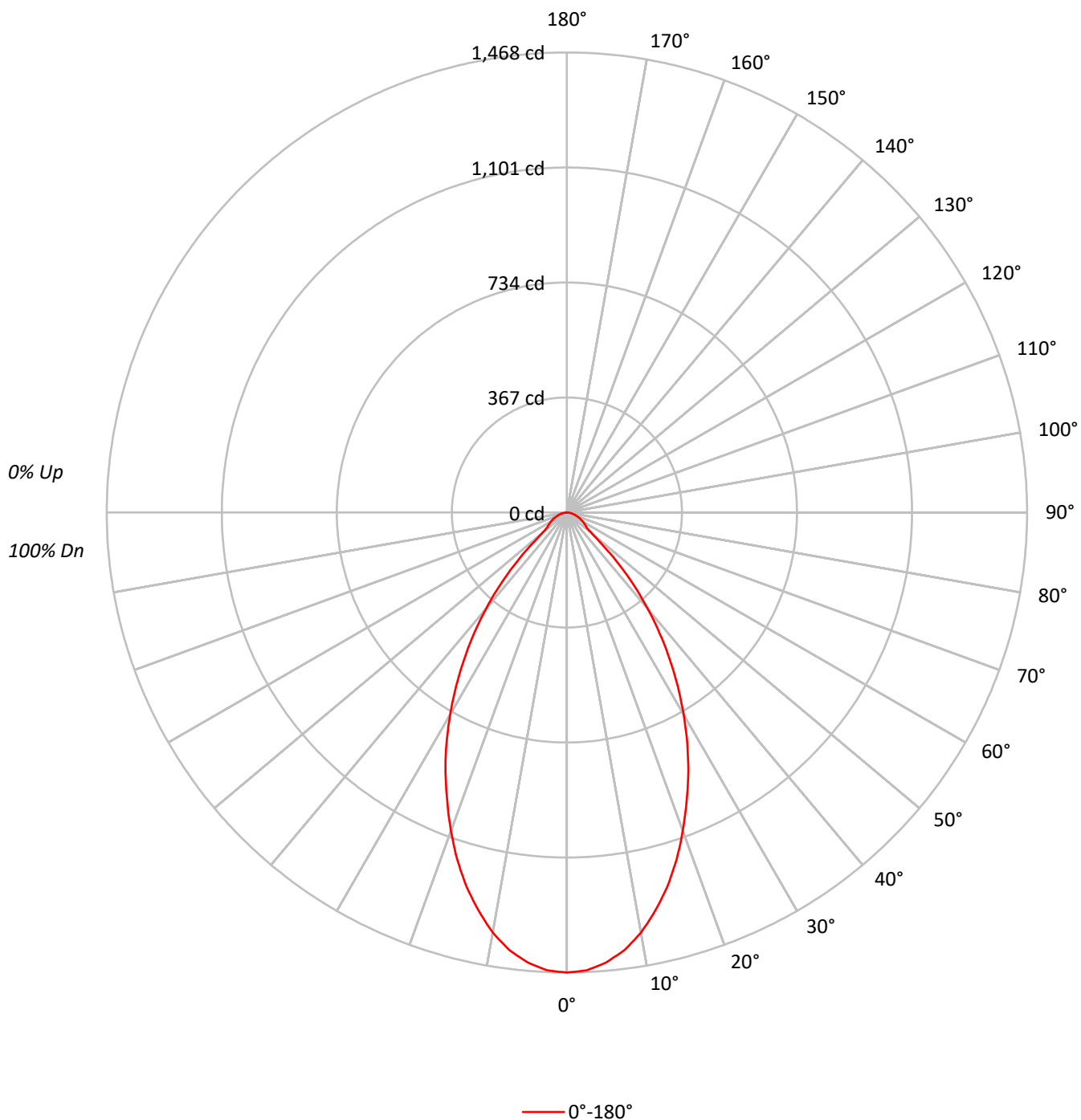
Lumens per Lamp: N/A
Luminaire Lumens: 1583.9 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63		
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	321904
5°	317168
10°	303112
15°	280728
20°	252279
25°	221771
30°	188586
35°	152933
40°	114872
45°	73992
50°	35137
55°	27641
60°	26182
65°	24387
70°	21991
75°	19910
80°	18310
85°	18115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	8.5
10°-20°	344.8	21.8
20°-30°	418.9	26.4
30°-40°	355.2	22.4
40°-50°	184.5	11.6
50°-60°	66.6	4.2
60°-70°	46.0	2.9
70°-80°	25.0	1.6
80°-90°	7.9	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°	898.7	56.7
0°-40°	1253.9	79.2
0°-60°	1505.0	95.0
0°-90°	1583.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1583.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1468	
5°	1441	135
15°	1237	345
25°	917	419
35°	571	355
45°	239	185
55°	72	67
65°	47	46
75°	24	25
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1468.0
2.5°	1462.6
5°	1440.9
7.5°	1408.3
10°	1361.3
12.5°	1301.7
15°	1236.6
17.5°	1162.4
20°	1081.1
22.5°	997.9
25°	916.6
27.5°	831.6
30°	744.8
32.5°	658.1
35°	571.3
37.5°	486.3
40°	401.3
42.5°	320.0
45°	238.6
47.5°	159.1
50°	103.0
52.5°	79.5
55°	72.3
57.5°	65.1
60°	59.7
62.5°	52.4
65°	47.0
67.5°	39.8
70°	34.3
72.5°	28.9
75°	23.5
77.5°	18.1
80°	14.5
82.5°	10.8
85°	7.2
87.5°	3.6
90°	0.0

(END OF REPORT)