

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: P1258114

Luminaire Tested: P3AS20R309040D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309040D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

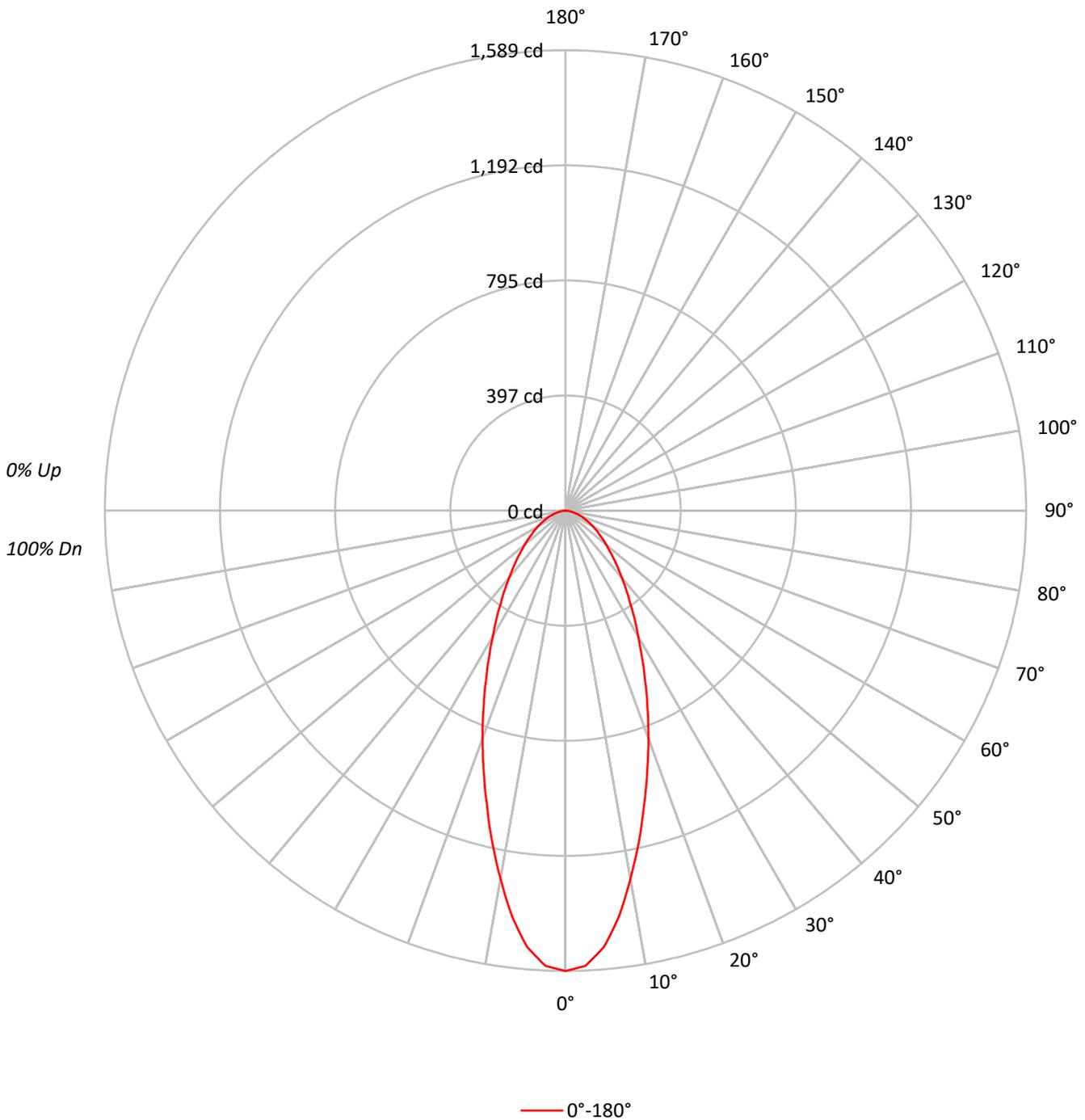
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1414.0 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46			
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	348437
5°	333017
10°	287258
15°	238094
20°	195177
25°	157340
30°	126804
35°	103891
40°	86305
45°	73186
50°	62599
55°	54134
60°	48286
65°	42184
70°	36993
75°	31094
80°	23235
85°	13083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 73186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	9.7
10°-20°	292.5	20.7
20°-30°	299.8	21.2
30°-40°	245.0	17.3
40°-50°	183.3	13.0
50°-60°	128.8	9.1
60°-70°	81.0	5.7
70°-80°	39.0	2.8
80°-90°	7.5	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°	729.4	51.6
0°-40°	974.5	68.9
0°-60°	1286.5	91.0
0°-90°	1414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1414.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1589	
5°	1513	137
15°	1049	292
25°	650	300
35°	388	245
45°	236	183
55°	142	129
65°	81	81
75°	37	39
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1589.0
2.5°	1573.2
5°	1512.9
7.5°	1413.3
10°	1290.1
12.5°	1169.4
15°	1048.8
17.5°	938.7
20°	836.4
22.5°	739.4
25°	650.3
27.5°	571.6
30°	500.8
32.5°	443.1
35°	388.1
37.5°	343.5
40°	301.5
42.5°	267.5
45°	236.0
47.5°	207.1
50°	183.5
52.5°	162.6
55°	141.6
57.5°	125.9
60°	110.1
62.5°	94.4
65°	81.3
67.5°	68.2
70°	57.7
72.5°	47.2
75°	36.7
77.5°	26.2
80°	18.4
82.5°	10.5
85°	5.2
87.5°	2.6
90°	0.0

(END OF REPORT)