

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: P1252799

Luminaire Tested: P3AS20R509030D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509030D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

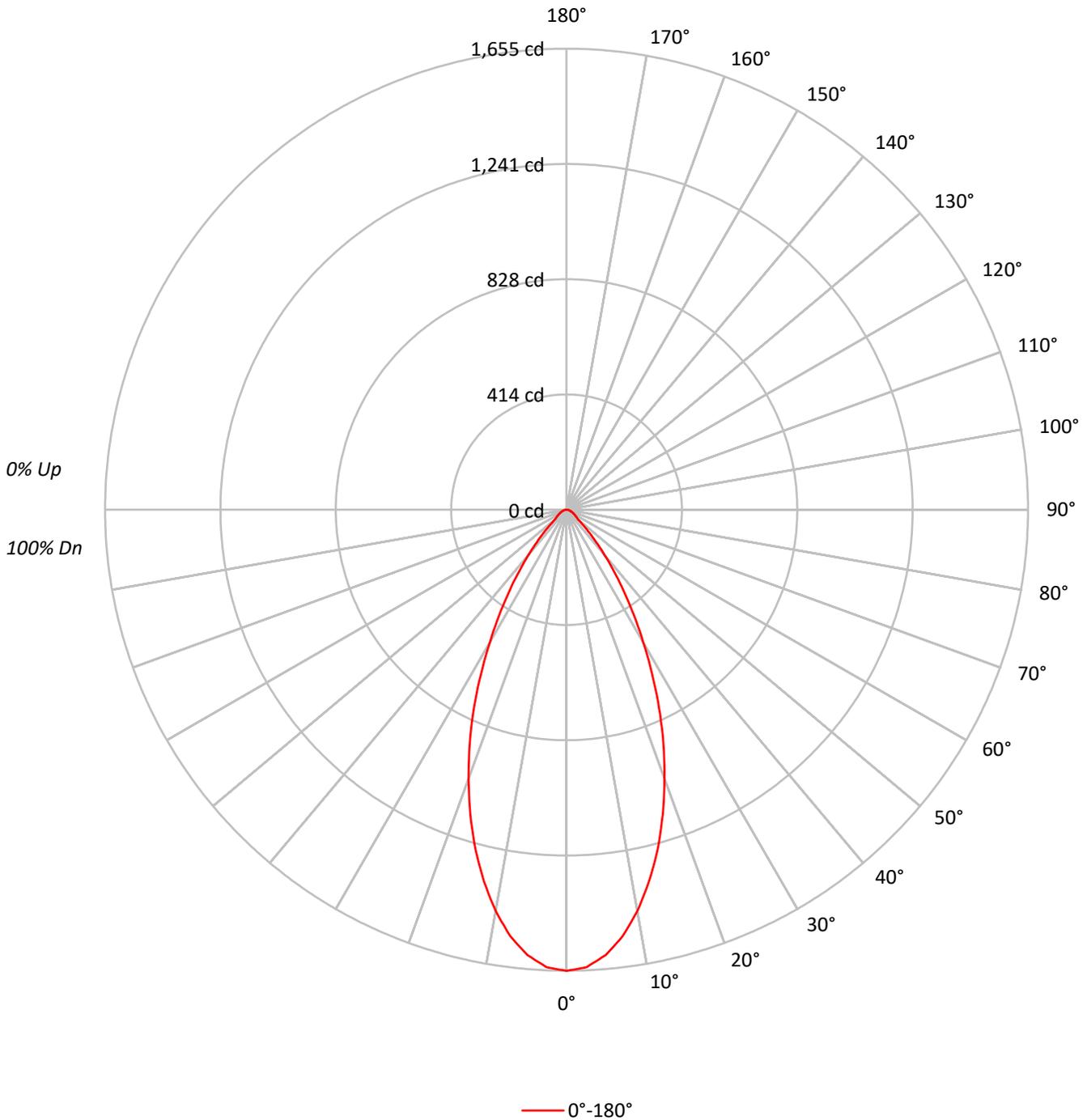
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1248.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79			
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73			
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68			
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	362975
5°	353202
10°	325690
15°	286426
20°	239654
25°	190027
30°	139414
35°	95861
40°	60914
45°	34050
50°	18456
55°	15483
60°	13332
65°	12245
70°	10835
75°	9997
80°	8587
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	11.9
10°-20°	349.4	28.0
20°-30°	357.4	28.6
30°-40°	226.6	18.2
40°-50°	90.2	7.2
50°-60°	36.6	2.9
60°-70°	23.4	1.9
70°-80°	12.0	1.0
80°-90°	3.7	0.3
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°	855.5	68.6
0°-40°	1082.2	86.7
0°-60°	1208.9	96.9
0°-90°	1248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1248.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1655	
5°	1605	149
15°	1262	349
25°	785	357
35°	358	227
45°	110	90
55°	40	37
65°	24	23
75°	12	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1655.3
2.5°	1643.5
5°	1604.6
7.5°	1543.8
10°	1462.7
12.5°	1366.5
15°	1261.7
17.5°	1146.9
20°	1027.0
22.5°	907.0
25°	785.4
27.5°	663.8
30°	550.6
32.5°	449.3
35°	358.1
37.5°	280.4
40°	212.8
42.5°	157.1
45°	109.8
47.5°	74.3
50°	54.1
52.5°	45.6
55°	40.5
57.5°	35.5
60°	30.4
62.5°	27.0
65°	23.6
67.5°	20.3
70°	16.9
72.5°	13.5
75°	11.8
77.5°	8.4
80°	6.8
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)