

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: P1258012

Luminaire Tested: P3AS20R159040D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159040D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

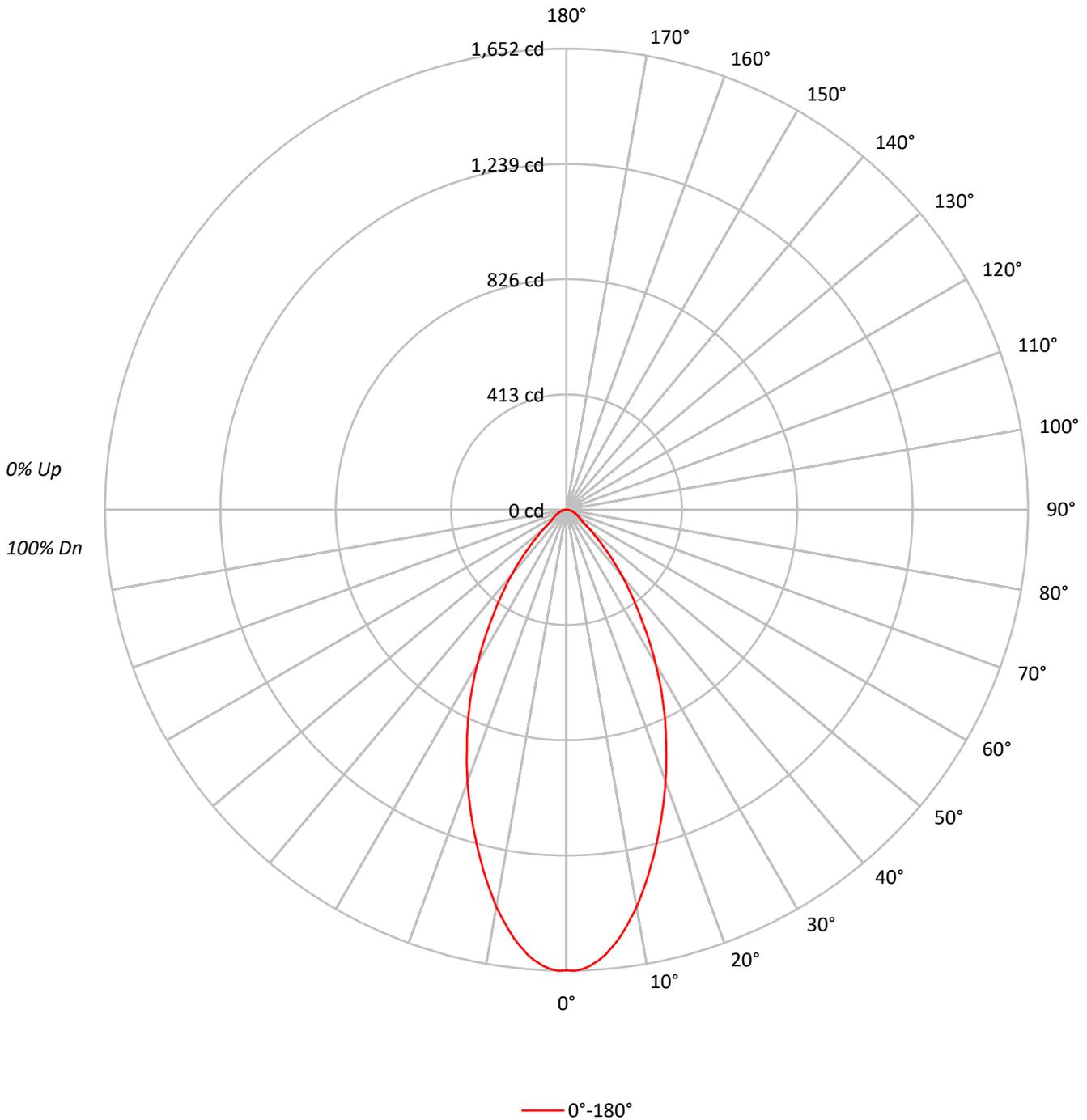
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1435.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	72	67	75	71	67	74	69	66	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56		
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	361967
5°	352145
10°	321793
15°	281863
20°	241801
25°	201883
30°	161569
35°	121184
40°	87936
45°	57494
50°	35956
55°	24315
60°	21533
65°	19821
70°	18657
75°	16945
80°	16037
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57494 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	10.3
10°-20°	346.0	24.1
20°-30°	381.2	26.6
30°-40°	285.4	19.9
40°-50°	147.9	10.3
50°-60°	61.3	4.3
60°-70°	38.0	2.6
70°-80°	21.3	1.5
80°-90°	6.2	0.4
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°	874.8	61.0
0°-40°	1160.2	80.9
0°-60°	1369.5	95.4
0°-90°	1435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1651	
5°	1600	148
15°	1242	346
25°	834	381
35°	453	285
45°	185	148
55°	64	61
65°	38	38
75°	20	21
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1650.7
1°	1652.5
2°	1647.0
3°	1636.1
4°	1619.8
5°	1599.8
6°	1574.3
7°	1547.0
8°	1514.3
9°	1479.8
10°	1445.2
12.5°	1345.3
15°	1241.6
17.5°	1138.0
20°	1036.2
22.5°	932.6
25°	834.4
27.5°	736.3
30°	638.1
32.5°	541.7
35°	452.7
37.5°	376.3
40°	307.2
42.5°	243.6
45°	185.4
47.5°	140.0
50°	105.4
52.5°	78.2
55°	63.6
57.5°	56.4
60°	49.1
62.5°	43.6
65°	38.2
67.5°	32.7
70°	29.1
72.5°	23.6
75°	20.0
77.5°	16.4
80°	12.7
82.5°	9.1
85°	5.5
87.5°	1.8
90°	0.0

(END OF REPORT)