

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: P1258047

Luminaire Tested: P3AS20R209040D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209040D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

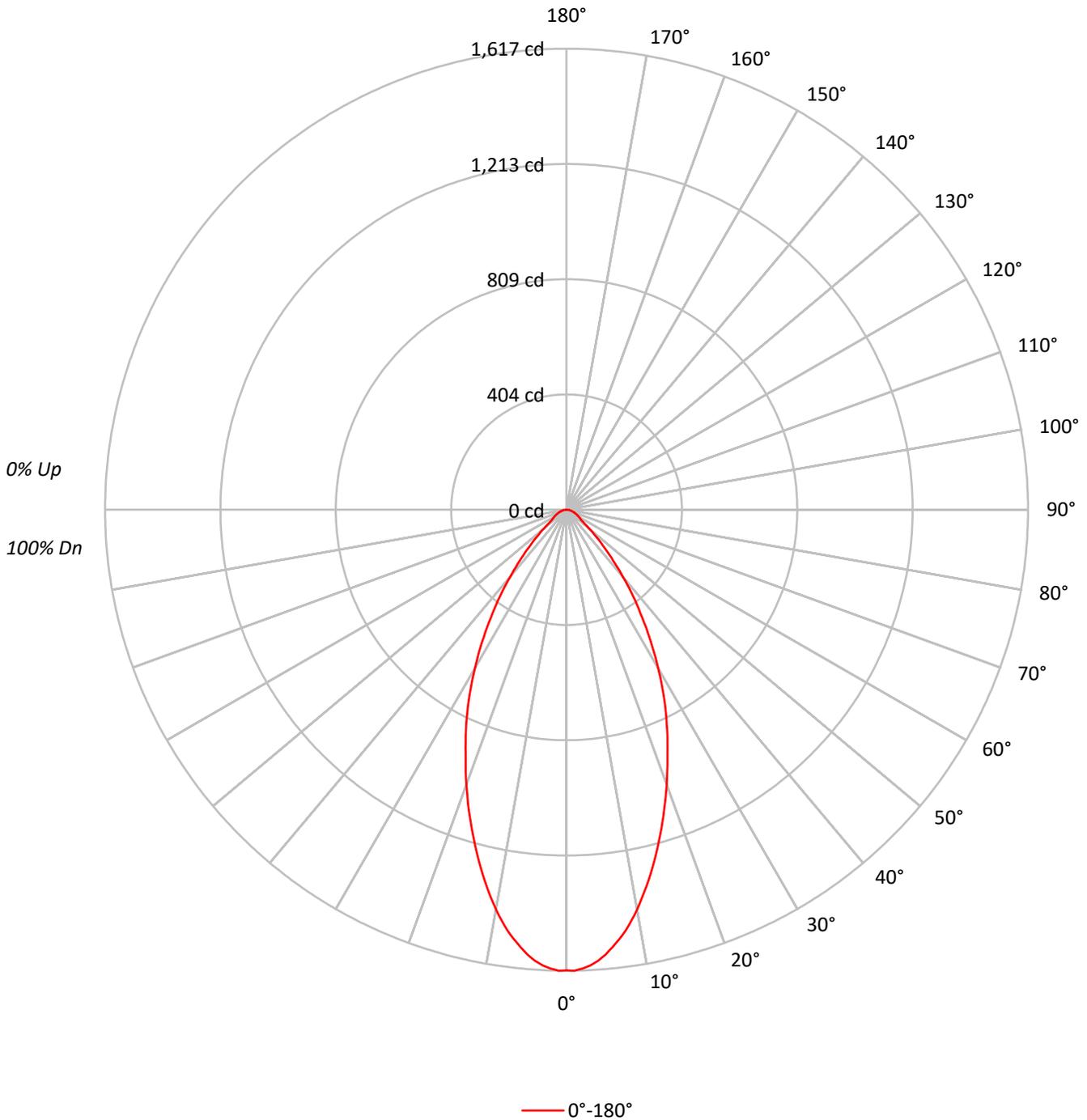
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1432.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
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			100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83			83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76			76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60			60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55			55
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52			52
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48			48
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	354204
5°	344749
10°	317140
15°	279162
20°	239397
25°	201133
30°	162582
35°	123674
40°	87993
45°	58115
50°	35990
55°	23626
60°	21533
65°	19821
70°	18657
75°	16945
80°	16037
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58115 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	10.1
10°-20°	342.3	23.9
20°-30°	380.0	26.5
30°-40°	289.9	20.2
40°-50°	148.4	10.4
50°-60°	60.9	4.3
60°-70°	38.0	2.7
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°	867.2	60.6
0°-40°	1157.1	80.8
0°-60°	1366.4	95.4
0°-90°	1432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1432.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1615	
5°	1566	145
15°	1230	342
25°	831	380
35°	462	290
45°	187	148
55°	62	61
65°	38	38
75°	20	21
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1615.3
1°	1617.1
2°	1609.9
3°	1600.8
4°	1586.2
5°	1566.2
6°	1542.5
7°	1517.1
8°	1489.8
9°	1457.1
10°	1424.3
12.5°	1329.7
15°	1229.7
17.5°	1127.8
20°	1025.9
22.5°	924.1
25°	831.3
27.5°	738.5
30°	642.1
32.5°	551.2
35°	462.0
37.5°	383.8
40°	307.4
42.5°	241.9
45°	187.4
47.5°	141.9
50°	105.5
52.5°	78.2
55°	61.8
57.5°	56.4
60°	49.1
62.5°	43.7
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)