

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: P1260647

Luminaire Tested: P3AS20R209050D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209050D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

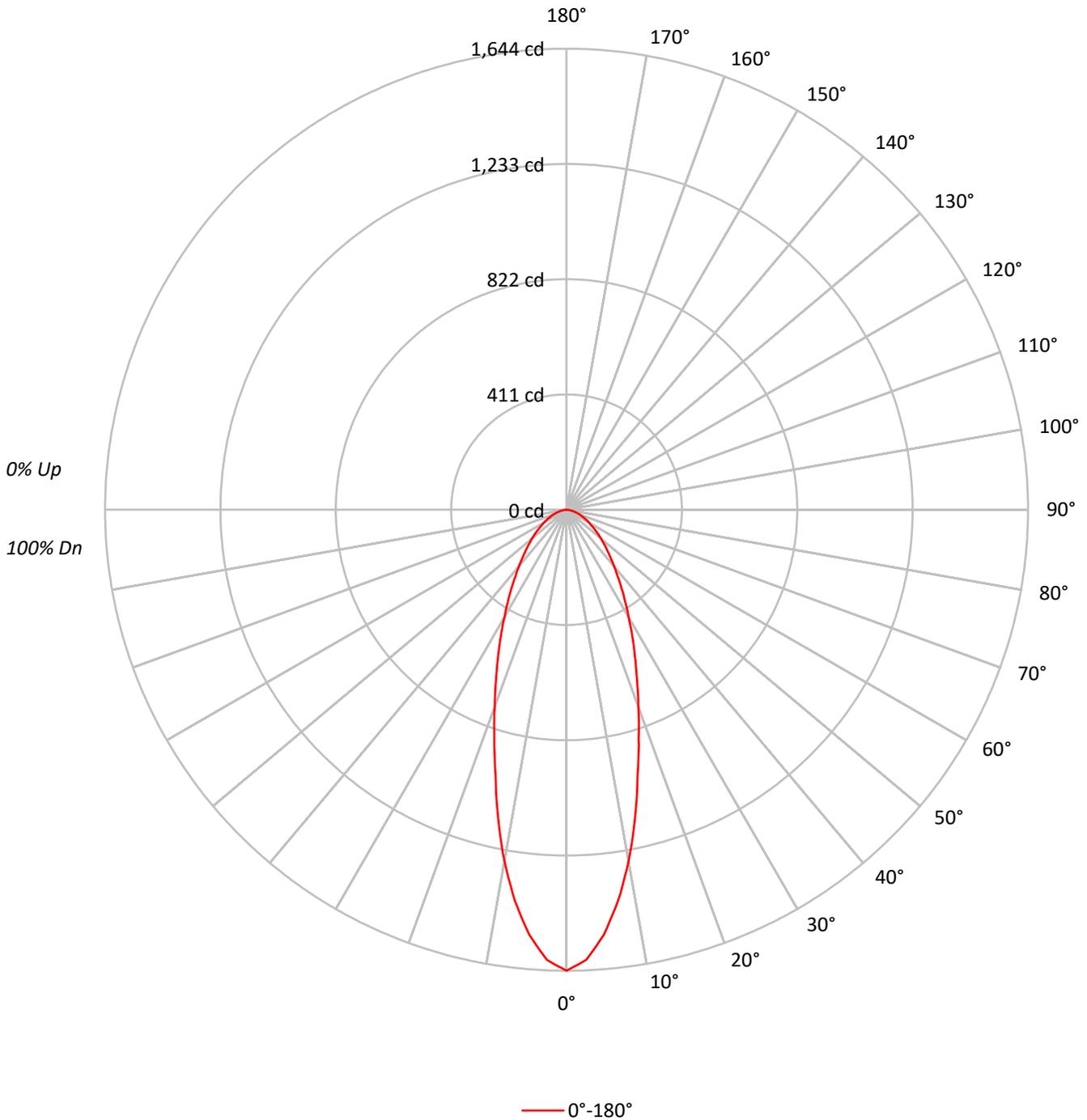
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1271.1 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90			90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80			80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72			72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66			66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55			55
7	76	66	59	54	75	65	58	53	63	58	53	62	57	53	61	56	53	51			51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47			47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41			41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	360454
5°	334844
10°	283562
15°	221976
20°	174689
25°	139242
30°	111992
35°	91283
40°	75513
45°	63604
50°	54548
55°	46870
60°	40874
65°	35957
70°	30774
75°	27112
80°	20205
85°	13335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 63604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	10.8
10°-20°	273.7	21.5
20°-30°	265.8	20.9
30°-40°	214.8	16.9
40°-50°	159.6	12.6
50°-60°	110.9	8.7
60°-70°	69.5	5.5
70°-80°	33.7	2.7
80°-90°	5.8	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°	676.9	53.3
0°-40°	891.6	70.1
0°-60°	1162.1	91.4
0°-90°	1271.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1644	
5°	1521	137
15°	978	274
25°	576	266
35°	341	215
45°	205	160
55°	123	111
65°	69	69
75°	32	34
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1643.8
2.5°	1606.5
5°	1521.2
7.5°	1406.7
10°	1273.5
12.5°	1126.9
15°	977.8
17.5°	855.2
20°	748.6
22.5°	655.4
25°	575.5
27.5°	506.2
30°	442.3
32.5°	389.0
35°	341.0
37.5°	298.4
40°	263.8
42.5°	231.8
45°	205.1
47.5°	181.2
50°	159.9
52.5°	141.2
55°	122.6
57.5°	106.6
60°	93.2
62.5°	82.6
65°	69.3
67.5°	58.6
70°	48.0
72.5°	40.0
75°	32.0
77.5°	24.0
80°	16.0
82.5°	8.0
85°	5.3
87.5°	0.0
90°	0.0

(END OF REPORT)