

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: P1274728

Luminaire Tested: P3AS20R309830D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309830D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

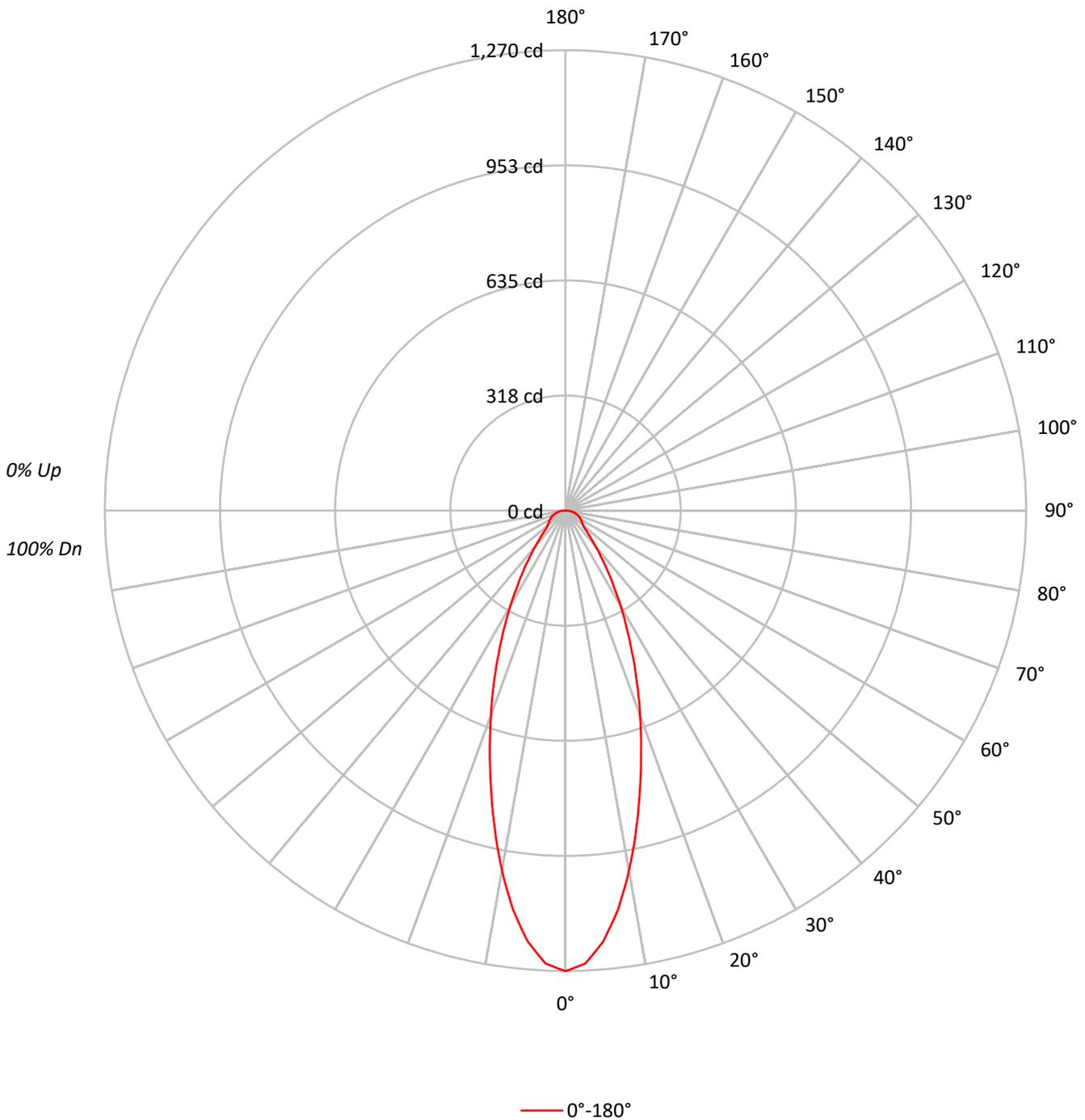
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 857.9 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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				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	94	95	93	92	90				90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81				81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74				74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63				63
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59				59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55				55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49				49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	278574
5°	262667
10°	224534
15°	179933
20°	140269
25°	105466
30°	76923
35°	54234
40°	37184
45°	26638
50°	21799
55°	21027
60°	21226
65°	21688
70°	22568
75°	24231
80°	25003
85°	27676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 29568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	12.6
10°-20°	220.3	25.7
20°-30°	200.7	23.4
30°-40°	127.7	14.9
40°-50°	68.4	8.0
50°-60°	50.0	5.8
60°-70°	42.0	4.9
70°-80°	29.3	3.4
80°-90°	11.7	1.4
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°	528.9	61.6
0°-40°	656.6	76.5
0°-60°	775.0	90.3
0°-90°	857.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1270	
5°	1193	108
15°	793	220
25°	436	201
35°	203	128
45°	86	68
55°	55	50
65°	42	42
75°	29	29
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1270.4
2.5°	1250.6
5°	1193.3
7.5°	1109.7
10°	1008.4
12.5°	900.5
15°	792.6
17.5°	693.6
20°	601.1
22.5°	515.2
25°	435.9
27.5°	365.5
30°	303.8
32.5°	246.6
35°	202.6
37.5°	160.7
40°	129.9
42.5°	103.5
45°	85.9
47.5°	70.5
50°	63.9
52.5°	59.4
55°	55.0
57.5°	52.8
60°	48.4
62.5°	46.2
65°	41.8
67.5°	39.6
70°	35.2
72.5°	30.8
75°	28.6
77.5°	24.2
80°	19.8
82.5°	17.6
85°	11.0
87.5°	4.4
90°	0.0

(END OF REPORT)