

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: P1272658

Luminaire Tested: P3AS20R309827D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272658
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: P3AS20R309827D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

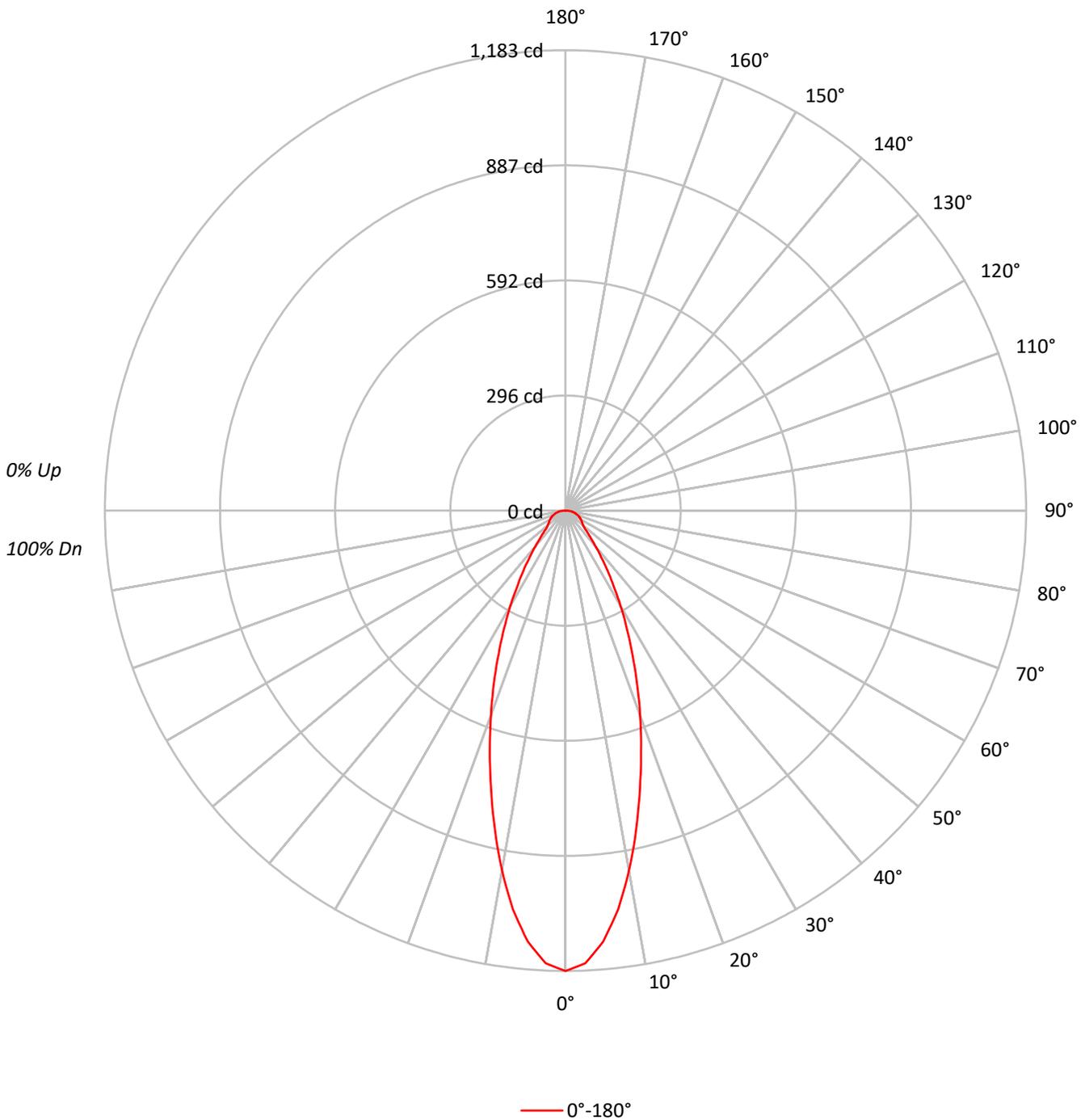
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 799.1 lumens
Efficiency: N/A
Efficacy: 29.2 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 (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				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	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68	68	68
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63	63	63	63
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59	59	59	59
7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	55	55	55	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51	51	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49	49	49	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	259409
5°	244617
10°	209103
15°	167561
20°	130608
25°	98231
30°	71631
35°	50487
40°	34636
45°	24809
50°	20298
55°	19612
60°	19779
65°	20236
70°	21029
75°	22621
80°	23362
85°	25914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 27552 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	12.6
10°-20°	205.1	25.7
20°-30°	186.9	23.4
30°-40°	118.9	14.9
40°-50°	63.7	8.0
50°-60°	46.6	5.8
60°-70°	39.1	4.9
70°-80°	27.4	3.4
80°-90°	10.9	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°	492.5	61.6
0°-40°	611.5	76.5
0°-60°	721.7	90.3
0°-90°	799.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1183	
5°	1111	101
15°	738	205
25°	406	187
35°	189	119
45°	80	64
55°	51	47
65°	39	39
75°	27	27
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1183.0
2.5°	1164.6
5°	1111.3
7.5°	1033.4
10°	939.1
12.5°	838.6
15°	738.1
17.5°	645.9
20°	559.7
22.5°	479.8
25°	406.0
27.5°	340.4
30°	282.9
32.5°	229.6
35°	188.6
37.5°	149.7
40°	121.0
42.5°	96.4
45°	80.0
47.5°	65.6
50°	59.5
52.5°	55.4
55°	51.3
57.5°	49.2
60°	45.1
62.5°	43.1
65°	39.0
67.5°	36.9
70°	32.8
72.5°	28.7
75°	26.7
77.5°	22.6
80°	18.5
82.5°	16.4
85°	10.3
87.5°	4.1
90°	0.0

(END OF REPORT)