

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: P1276797

Luminaire Tested: P3AS20R309835D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309835D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

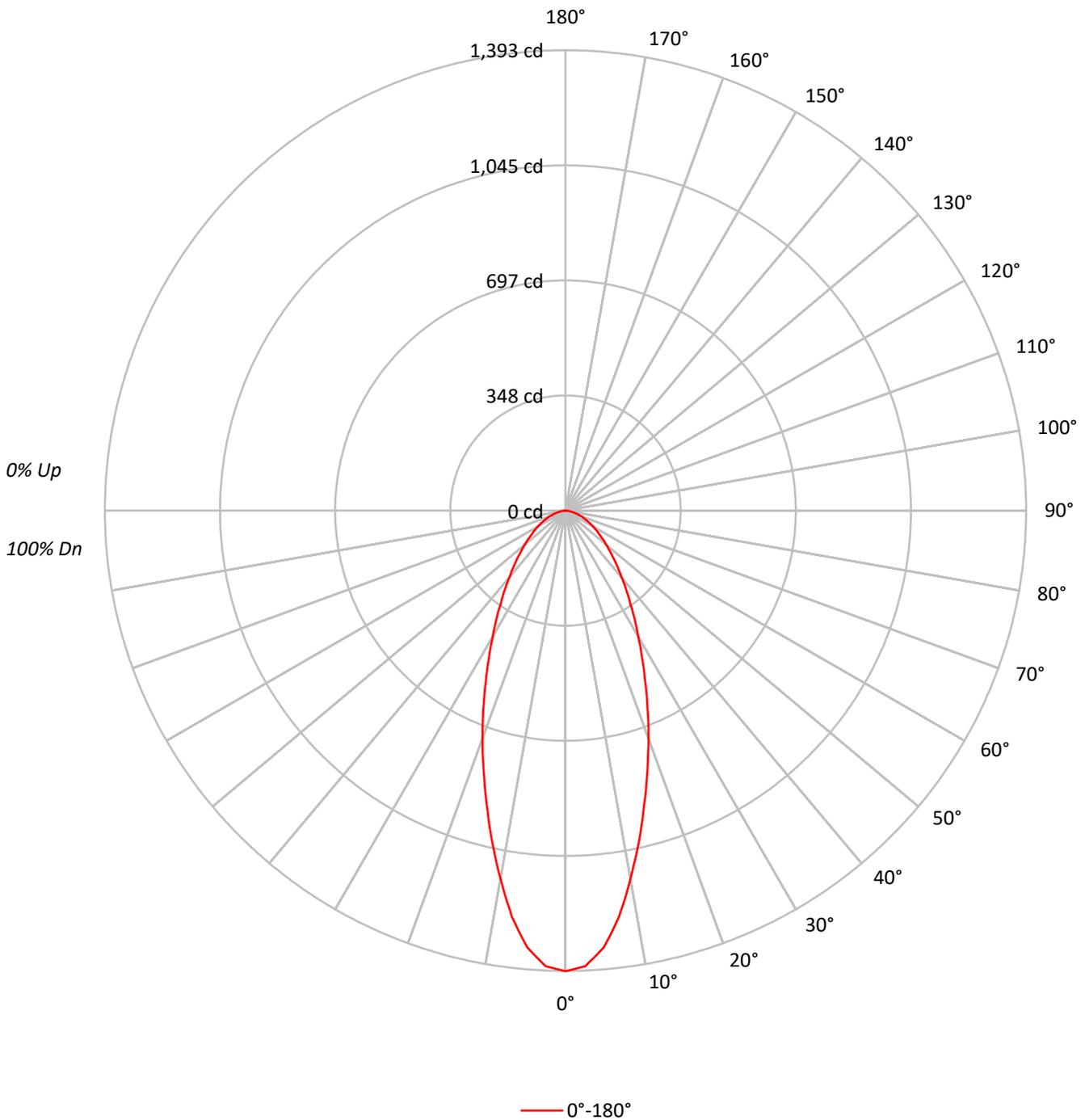
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1240.1 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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			
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71		
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50		
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46		
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	305546
5°	292053
10°	251899
15°	208809
20°	171165
25°	137984
30°	111207
35°	91096
40°	75685
45°	64162
50°	54924
55°	47482
60°	42365
65°	36995
70°	32441
75°	27281
80°	20331
85°	11573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 64162 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	9.7
10°-20°	256.5	20.7
20°-30°	262.9	21.2
30°-40°	214.9	17.3
40°-50°	160.7	13.0
50°-60°	112.9	9.1
60°-70°	71.1	5.7
70°-80°	34.2	2.8
80°-90°	6.6	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°	639.7	51.6
0°-40°	854.5	68.9
0°-60°	1128.2	91.0
0°-90°	1240.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1240.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1393	
5°	1327	120
15°	920	256
25°	570	263
35°	340	215
45°	207	161
55°	124	113
65°	71	71
75°	32	34
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1393.4
2.5°	1379.6
5°	1326.8
7.5°	1239.4
10°	1131.3
12.5°	1025.5
15°	919.8
17.5°	823.2
20°	733.5
22.5°	648.4
25°	570.3
27.5°	501.3
30°	439.2
32.5°	388.6
35°	340.3
37.5°	301.2
40°	264.4
42.5°	234.5
45°	206.9
47.5°	181.7
50°	161.0
52.5°	142.6
55°	124.2
57.5°	110.4
60°	96.6
62.5°	82.8
65°	71.3
67.5°	59.8
70°	50.6
72.5°	41.4
75°	32.2
77.5°	23.0
80°	16.1
82.5°	9.2
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)