

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: P1251915

Luminaire Tested: P3AS13R209030DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251915
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: P3AS13R209030DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

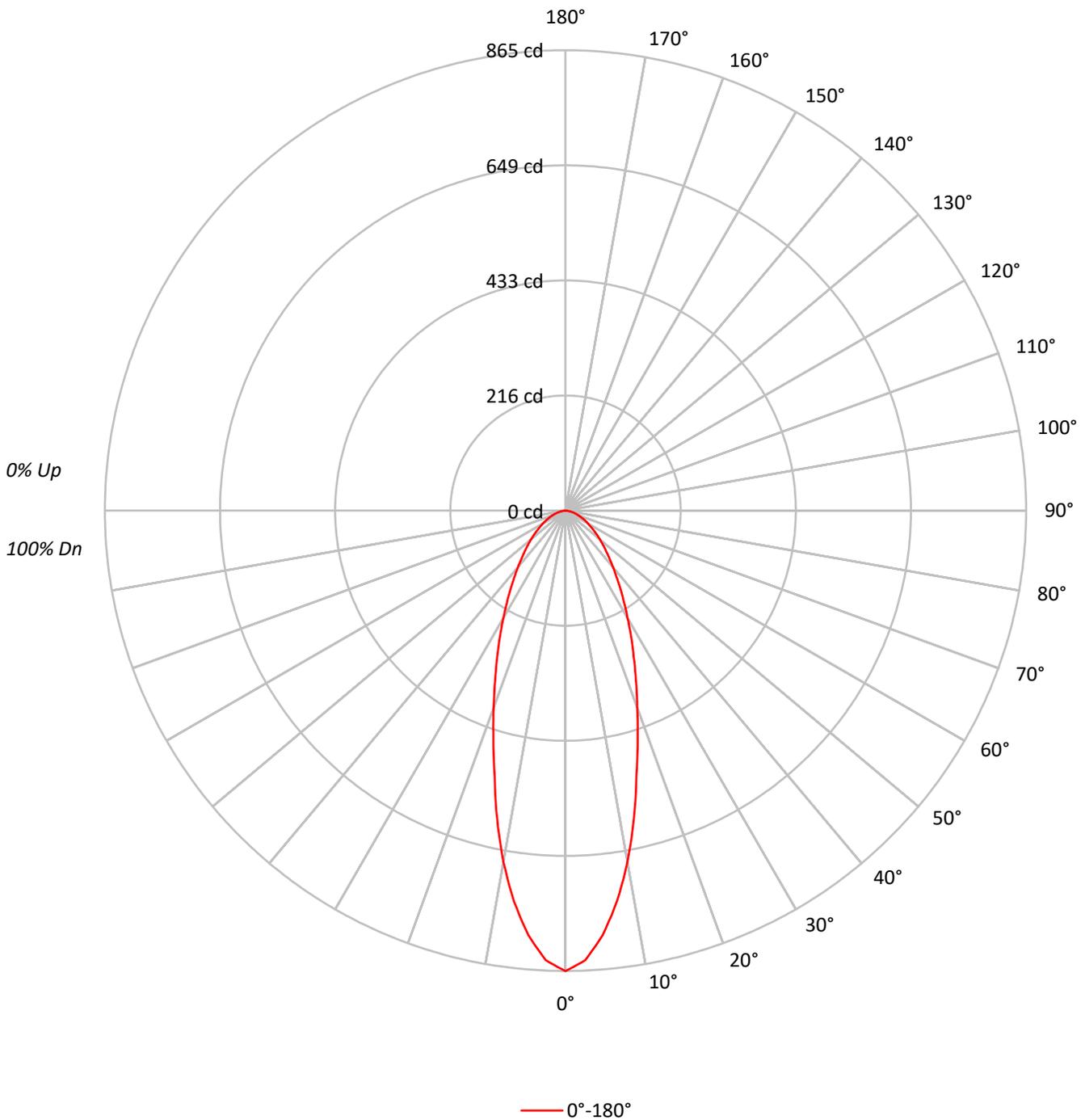
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 669.0 lumens
Efficiency: N/A
Efficacy: 45.8 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): 14.6
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	0
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	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189722
5°	176249
10°	149251
15°	116822
20°	91941
25°	73286
30°	58946
35°	48051
40°	39732
45°	33492
50°	28690
55°	24659
60°	21533
65°	18938
70°	16157
75°	14234
80°	10607
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33492 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	10.8
10°-20°	144.1	21.5
20°-30°	139.9	20.9
30°-40°	113.0	16.9
40°-50°	84.0	12.6
50°-60°	58.3	8.7
60°-70°	36.6	5.5
70°-80°	17.7	2.6
80°-90°	3.0	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°	356.3	53.3
0°-40°	469.3	70.2
0°-60°	611.6	91.4
0°-90°	669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	865	
5°	801	72
15°	515	144
25°	303	140
35°	180	113
45°	108	84
55°	64	58
65°	36	37
75°	17	18
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	865.2
2.5°	845.6
5°	800.7
7.5°	740.4
10°	670.3
12.5°	593.2
15°	514.6
17.5°	450.1
20°	394.0
22.5°	345.0
25°	302.9
27.5°	266.4
30°	232.8
32.5°	204.7
35°	179.5
37.5°	157.1
40°	138.8
42.5°	122.0
45°	108.0
47.5°	95.4
50°	84.1
52.5°	74.3
55°	64.5
57.5°	56.1
60°	49.1
62.5°	43.5
65°	36.5
67.5°	30.9
70°	25.2
72.5°	21.0
75°	16.8
77.5°	12.6
80°	8.4
82.5°	4.2
85°	2.8
87.5°	0.0
90°	0.0

(END OF REPORT)