

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: P1248425

Luminaire Tested: P3AS05R209027DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248425
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: P3AS05R209027DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

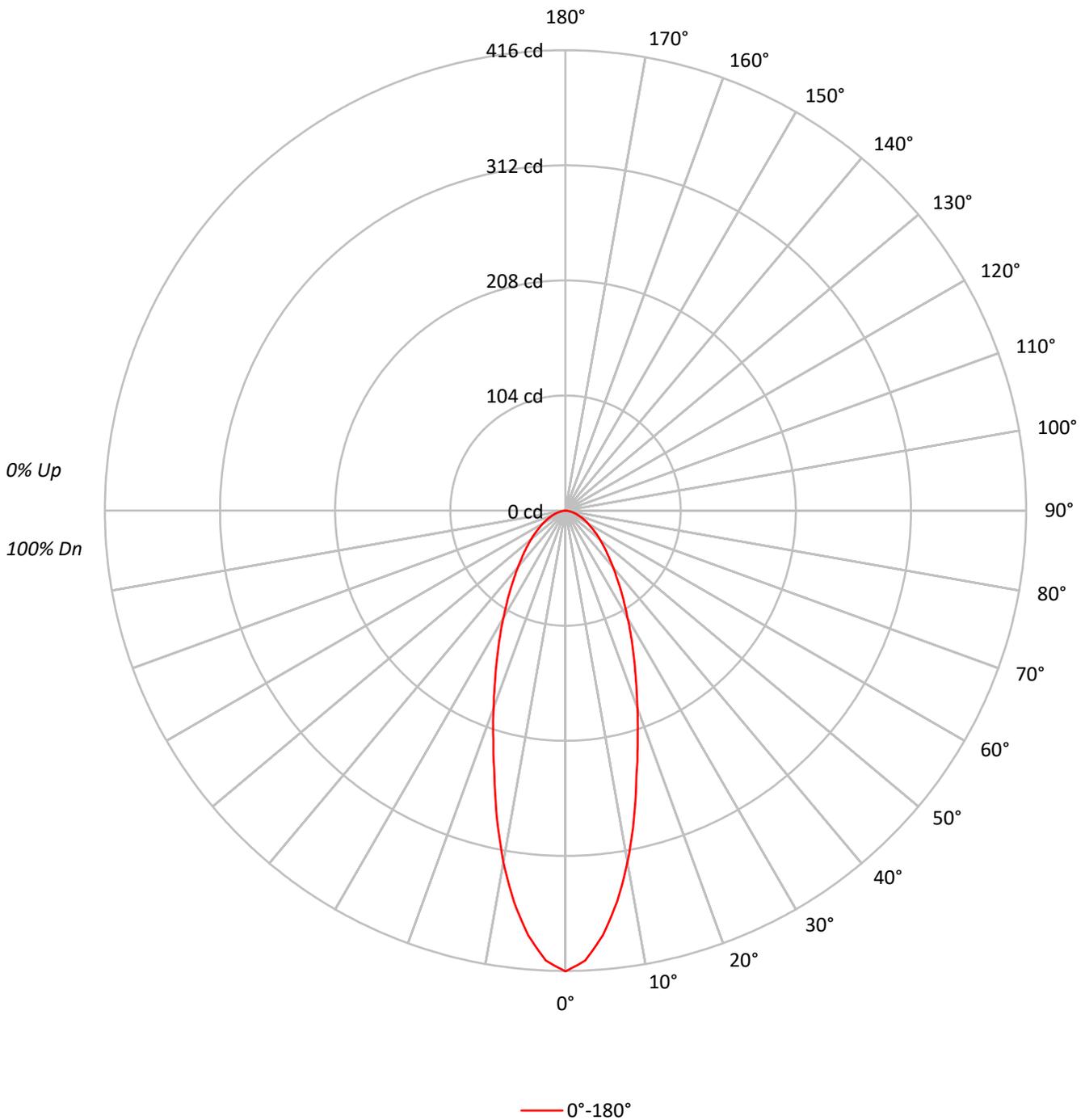
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 321.9 lumens
Efficiency: N/A
Efficacy: 44.7 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): 7.2
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	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	79	96	88	82	78	85	81	77	83	79	75	81	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	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91308
5°	84834
10°	71831
15°	56232
20°	44267
25°	35276
30°	28359
35°	23129
40°	19122
45°	16126
50°	13816
55°	11851
60°	10350
65°	9080
70°	7758
75°	6863
80°	5051
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16126 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	10.8
10°-20°	69.3	21.5
20°-30°	67.3	20.9
30°-40°	54.4	16.9
40°-50°	40.4	12.6
50°-60°	28.1	8.7
60°-70°	17.6	5.5
70°-80°	8.5	2.6
80°-90°	1.4	0.4
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°	171.5	53.3
0°-40°	225.9	70.2
0°-60°	294.4	91.5
0°-90°	321.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	416	
5°	385	35
15°	248	69
25°	146	67
35°	86	54
45°	52	40
55°	31	28
65°	18	18
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	416.4
2.5°	407.0
5°	385.4
7.5°	356.4
10°	322.6
12.5°	285.5
15°	247.7
17.5°	216.7
20°	189.7
22.5°	166.0
25°	145.8
27.5°	128.2
30°	112.0
32.5°	98.5
35°	86.4
37.5°	75.6
40°	66.8
42.5°	58.7
45°	52.0
47.5°	45.9
50°	40.5
52.5°	35.8
55°	31.0
57.5°	27.0
60°	23.6
62.5°	20.9
65°	17.5
67.5°	14.8
70°	12.1
72.5°	10.1
75°	8.1
77.5°	6.1
80°	4.0
82.5°	2.0
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)