

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: P1256922

Luminaire Tested: P3AS09R209040DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256922
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: P3AS09R209040DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

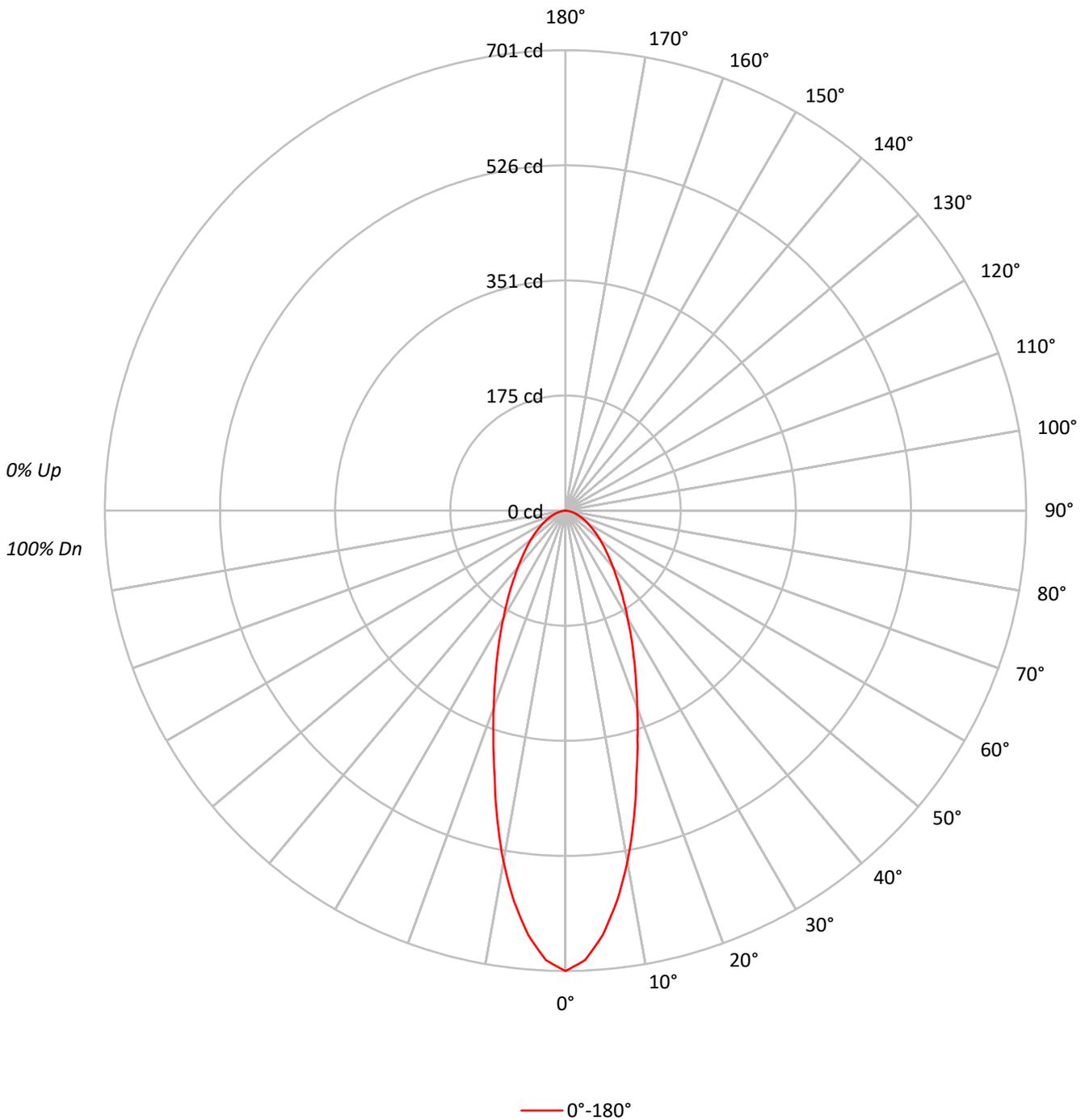
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 542.0 lumens
Efficiency: N/A
Efficacy: 48.8 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): 11.1
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				
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	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	87	85	82	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	65	60	57	55
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	61	56	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	57	53	49	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	54	49	46	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	153716
5°	142791
10°	120929
15°	94666
20°	74486
25°	59374
30°	47754
35°	38922
40°	32203
45°	27135
50°	23266
55°	19995
60°	17455
65°	15306
70°	13079
75°	11522
80°	8587
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27135 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	10.8
10°-20°	116.7	21.5
20°-30°	113.4	20.9
30°-40°	91.6	16.9
40°-50°	68.1	12.6
50°-60°	47.3	8.7
60°-70°	29.6	5.5
70°-80°	14.3	2.6
80°-90°	2.5	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°	288.6	53.3
0°-40°	380.2	70.2
0°-60°	495.6	91.4
0°-90°	542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	542.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	701	
5°	649	59
15°	417	117
25°	245	113
35°	145	92
45°	88	68
55°	52	47
65°	30	30
75°	14	14
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	701.0
2.5°	685.1
5°	648.7
7.5°	599.9
10°	543.1
12.5°	480.6
15°	417.0
17.5°	364.7
20°	319.2
22.5°	279.5
25°	245.4
27.5°	215.9
30°	188.6
32.5°	165.9
35°	145.4
37.5°	127.2
40°	112.5
42.5°	98.8
45°	87.5
47.5°	77.3
50°	68.2
52.5°	60.2
55°	52.3
57.5°	45.4
60°	39.8
62.5°	35.2
65°	29.5
67.5°	25.0
70°	20.4
72.5°	17.0
75°	13.6
77.5°	10.2
80°	6.8
82.5°	3.4
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)