

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: P1262199

Luminaire Tested: P3AS09R159727DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R159727DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

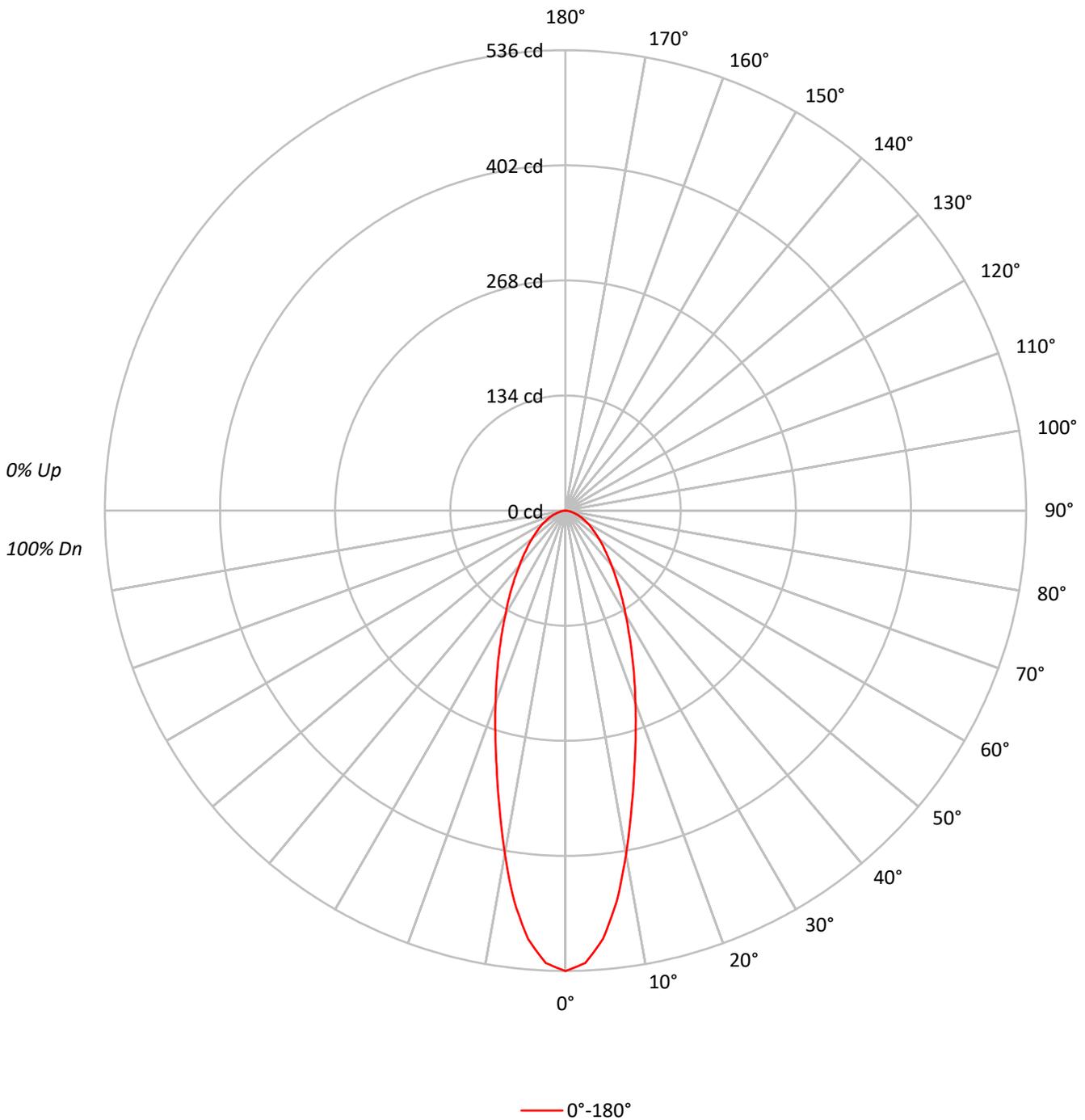
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 404.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	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	97	92	88	93	89	86	90	87	84	87	85	82	87	85	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	92	82	76	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	67	61	57	65	60	57	65	60	57	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	61	56	53	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	58	53	49	47
9	69	58	51	46	68	57	51	46	56	50	46	55	50	46	54	49	46	54	49	46	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117556
5°	110213
10°	90379
15°	70216
20°	55421
25°	44180
30°	35448
35°	28938
40°	23845
45°	20064
50°	17228
55°	14910
60°	13201
65°	11519
70°	10258
75°	8218
80°	6693
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	11.1
10°-20°	86.6	21.4
20°-30°	84.2	20.8
30°-40°	68.1	16.8
40°-50°	50.5	12.5
50°-60°	35.3	8.7
60°-70°	22.1	5.5
70°-80°	10.5	2.6
80°-90°	1.9	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°	215.6	53.4
0°-40°	283.6	70.2
0°-60°	369.5	91.4
0°-90°	404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	536	
5°	501	45
15°	309	87
25°	183	84
35°	108	68
45°	65	51
55°	39	35
65°	22	22
75°	10	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	536.1
2.5°	527.3
5°	500.7
7.5°	458.2
10°	405.9
12.5°	354.5
15°	309.3
17.5°	271.2
20°	237.5
22.5°	208.3
25°	182.6
27.5°	159.5
30°	140.0
32.5°	123.2
35°	108.1
37.5°	94.8
40°	83.3
42.5°	73.6
45°	64.7
47.5°	57.6
50°	50.5
52.5°	44.3
55°	39.0
57.5°	34.6
60°	30.1
62.5°	25.7
65°	22.2
67.5°	18.6
70°	16.0
72.5°	12.4
75°	9.7
77.5°	7.1
80°	5.3
82.5°	2.7
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)