

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: P1271590

Luminaire Tested: P3AS09R259827DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R259827DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

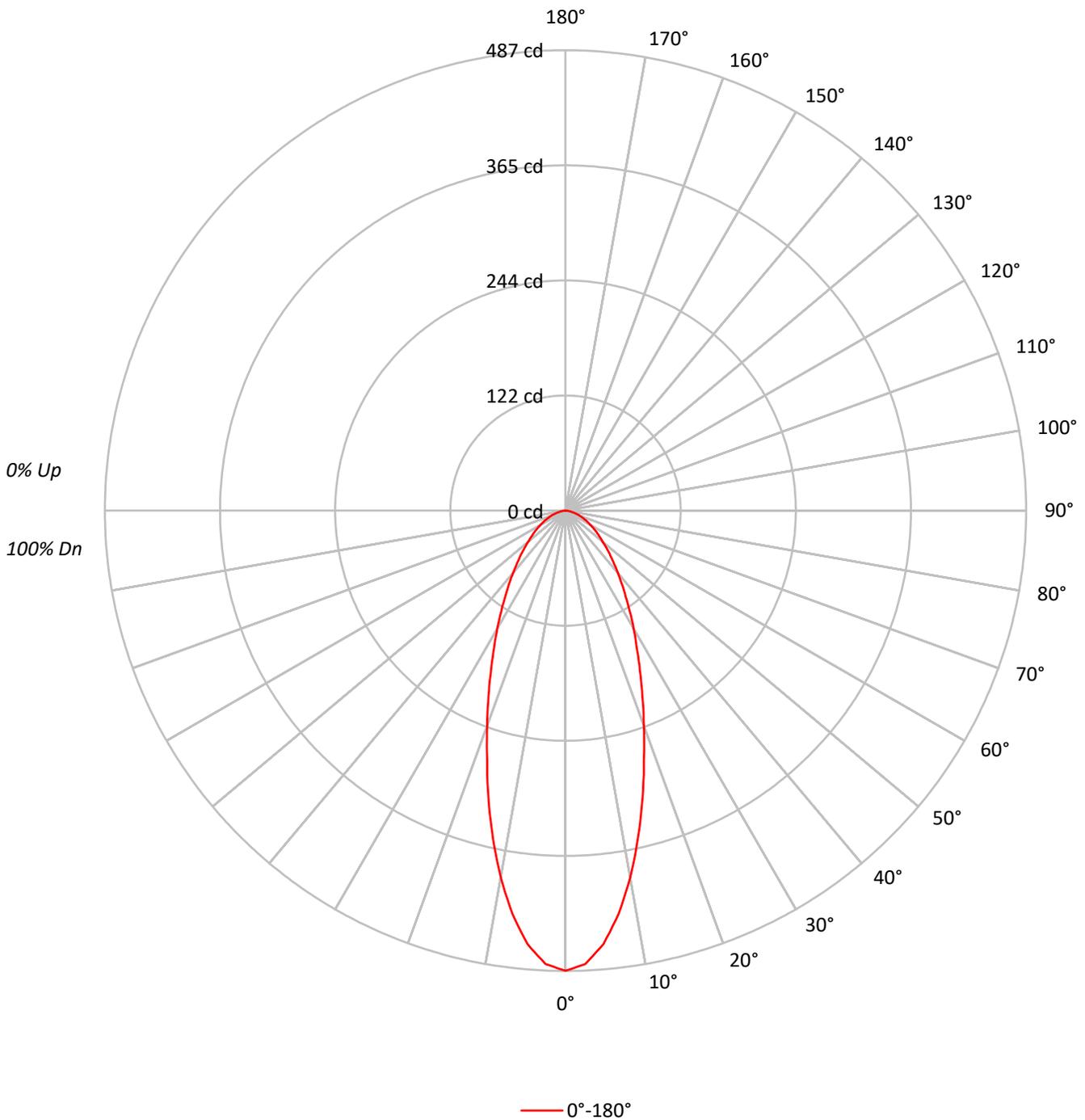
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 409.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	100	102	99	97	98	96	94	95	93	92	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	74	70	67	65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	59
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	61	56	52	50
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	57	52	48	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	54	49	45	44
10	65	54	47	43	64	53	47	43	52	47	43	52	46	43	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106724
5°	101298
10°	87729
15°	71419
20°	56448
25°	45003
30°	36487
35°	29714
40°	24618
45°	20746
50°	17569
55°	15445
60°	13552
65°	11830
70°	10386
75°	8727
80°	6440
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	10.2
10°-20°	87.2	21.3
20°-30°	86.0	21.0
30°-40°	70.0	17.1
40°-50°	51.9	12.7
50°-60°	36.3	8.9
60°-70°	22.7	5.6
70°-80°	10.9	2.7
80°-90°	2.1	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°	215.0	52.6
0°-40°	285.0	69.7
0°-60°	373.3	91.3
0°-90°	409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	487	
5°	460	42
15°	315	87
25°	186	86
35°	111	70
45°	67	52
55°	40	36
65°	23	23
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	486.7
2.5°	480.1
5°	460.2
7.5°	430.1
10°	394.0
12.5°	354.3
15°	314.6
17.5°	275.7
20°	241.9
22.5°	212.5
25°	186.0
27.5°	163.2
30°	144.1
32.5°	126.4
35°	111.0
37.5°	97.8
40°	86.0
42.5°	75.7
45°	66.9
47.5°	58.8
50°	51.5
52.5°	45.6
55°	40.4
57.5°	35.3
60°	30.9
62.5°	26.5
65°	22.8
67.5°	19.1
70°	16.2
72.5°	13.2
75°	10.3
77.5°	7.4
80°	5.1
82.5°	2.9
85°	1.5
87.5°	0.7
90°	0.0

(END OF REPORT)