

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: P1266983

Luminaire Tested: P3A09R209735DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266983
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: P3A09R209735DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

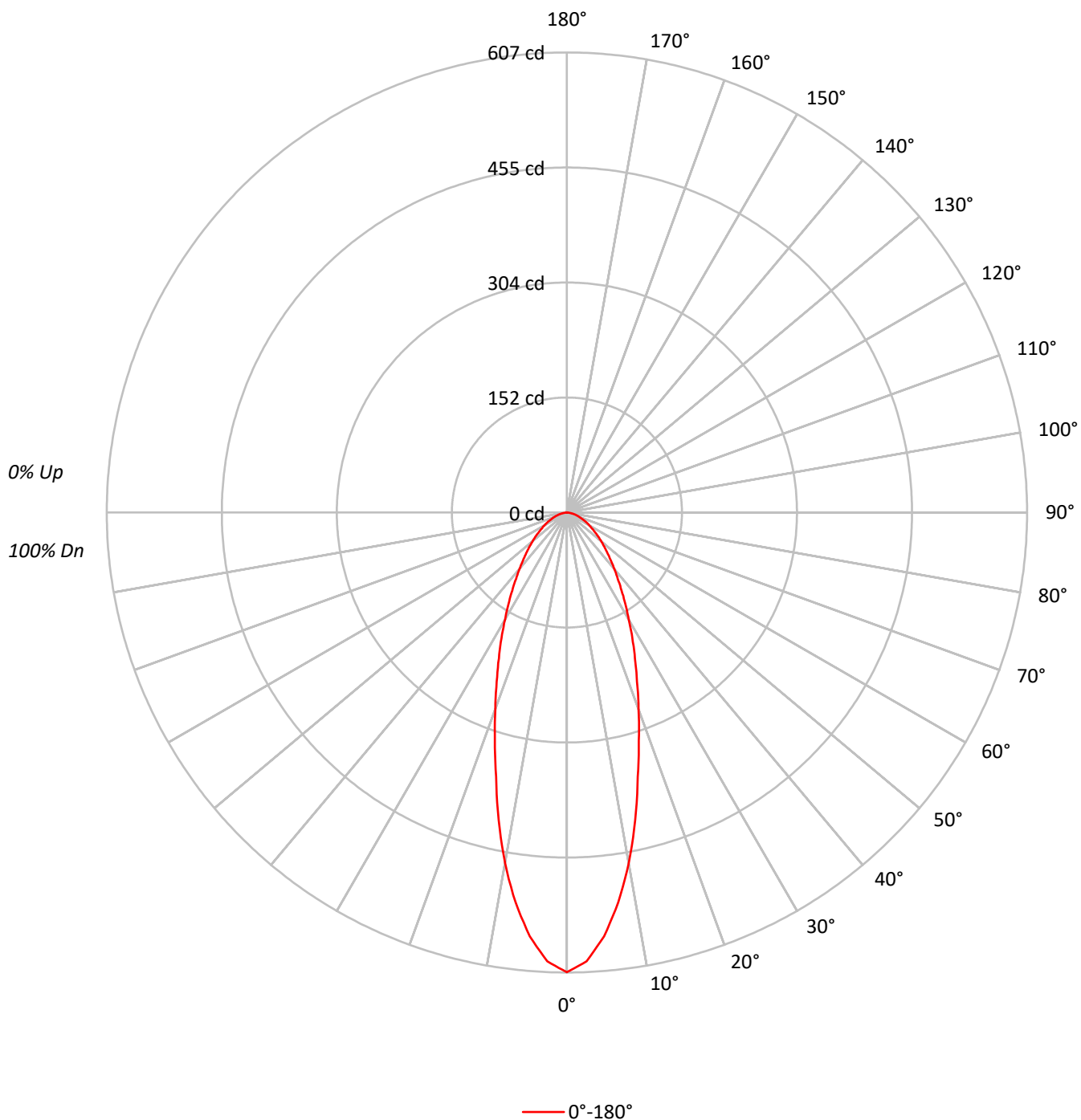
Lumens per Lamp: N/A
Luminaire Lumens: 468.9 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	64	58	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133016
5°	123552
10°	104630
15°	81907
20°	64452
25°	51366
30°	41323
35°	33676
40°	27852
45°	23475
50°	20127
55°	17280
60°	15087
65°	13283
70°	11348
75°	9997
80°	7450
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23475 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	10.8
10°-20°	101.0	21.5
20°-30°	98.1	20.9
30°-40°	79.2	16.9
40°-50°	58.9	12.6
50°-60°	40.9	8.7
60°-70°	25.6	5.5
70°-80°	12.4	2.6
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°	249.7	53.3
0°-40°	329.0	70.2
0°-60°	428.7	91.4
0°-90°	468.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	607	
5°	561	51
15°	361	101
25°	212	98
35°	126	79
45°	76	59
55°	45	41
65°	26	26
75°	12	12
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	606.6
2.5°	592.8
5°	561.3
7.5°	519.1
10°	469.9
12.5°	415.8
15°	360.8
17.5°	315.6
20°	276.2
22.5°	241.8
25°	212.3
27.5°	186.8
30°	163.2
32.5°	143.5
35°	125.8
37.5°	110.1
40°	97.3
42.5°	85.5
45°	75.7
47.5°	66.8
50°	59.0
52.5°	52.1
55°	45.2
57.5°	39.3
60°	34.4
62.5°	30.5
65°	25.6
67.5°	21.6
70°	17.7
72.5°	14.7
75°	11.8
77.5°	8.8
80°	5.9
82.5°	2.9
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)