

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: P1246433

Luminaire Tested: P3A09R209024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246433
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: P3A09R209024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

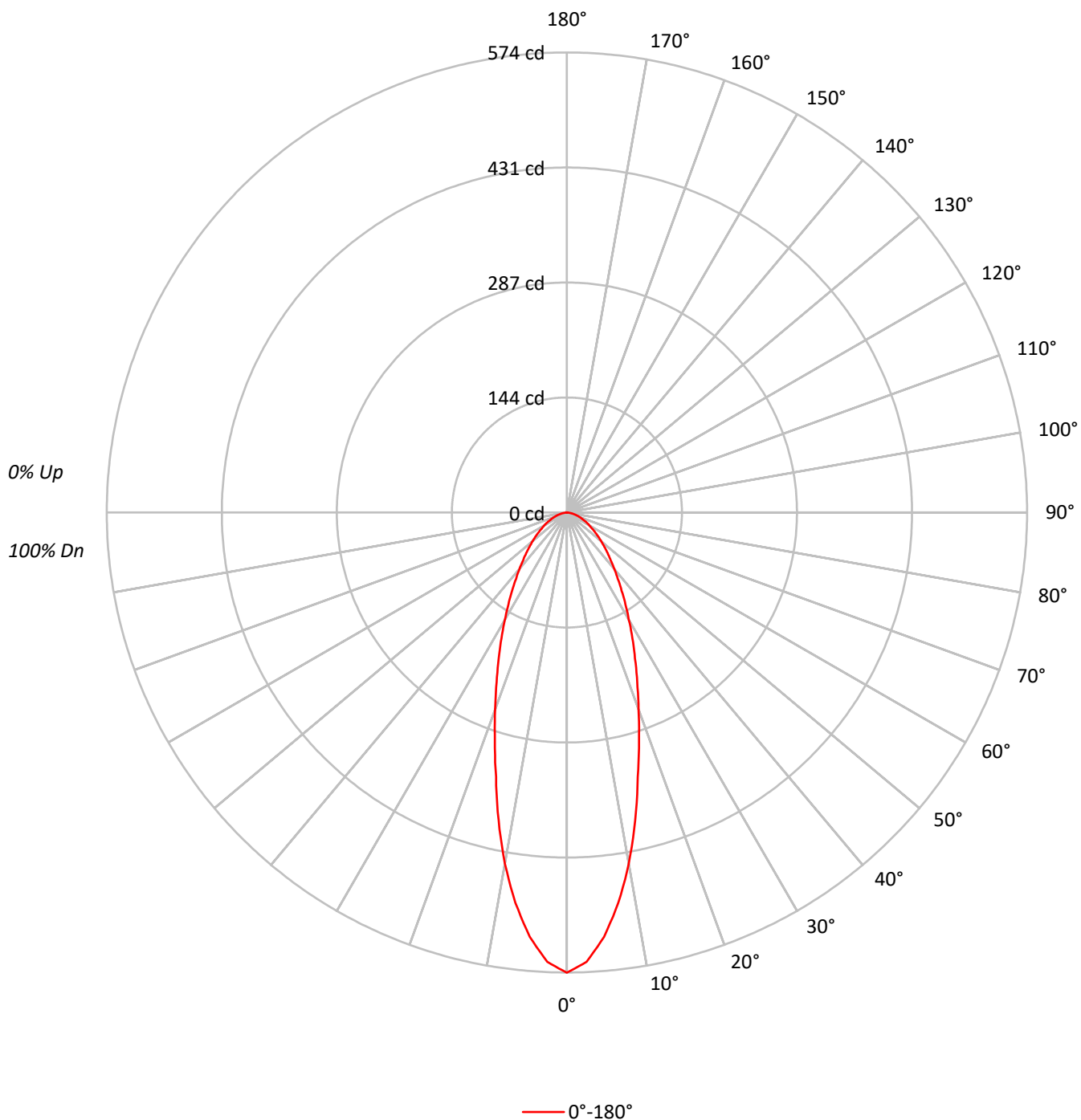
Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	63	57	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°	125911
5°	116971
10°	99063
15°	77549
20°	61022
25°	48632
30°	39120
35°	31882
40°	26364
45°	22235
50°	19036
55°	16363
60°	14297
65°	12556
70°	10771
75°	9489
80°	7072
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	10.8
10°-20°	95.6	21.5
20°-30°	92.8	20.9
30°-40°	75.0	16.9
40°-50°	55.8	12.6
50°-60°	38.7	8.7
60°-70°	24.3	5.5
70°-80°	11.8	2.7
80°-90°	2.0	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°	236.4	53.2
0°-40°	311.4	70.1
0°-60°	405.9	91.4
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	574	
5°	531	48
15°	342	96
25°	201	93
35°	119	75
45°	72	56
55°	43	39
65°	24	24
75°	11	12
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	574.2
2.5°	561.2
5°	531.4
7.5°	491.4
10°	444.9
12.5°	393.7
15°	341.6
17.5°	298.7
20°	261.5
22.5°	228.9
25°	201.0
27.5°	176.8
30°	154.5
32.5°	135.9
35°	119.1
37.5°	104.2
40°	92.1
42.5°	81.0
45°	71.7
47.5°	63.3
50°	55.8
52.5°	49.3
55°	42.8
57.5°	37.2
60°	32.6
62.5°	28.9
65°	24.2
67.5°	20.5
70°	16.8
72.5°	14.0
75°	11.2
77.5°	8.4
80°	5.6
82.5°	2.8
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)