

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: P1246497

Luminaire Tested: P3A09R309024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R309024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

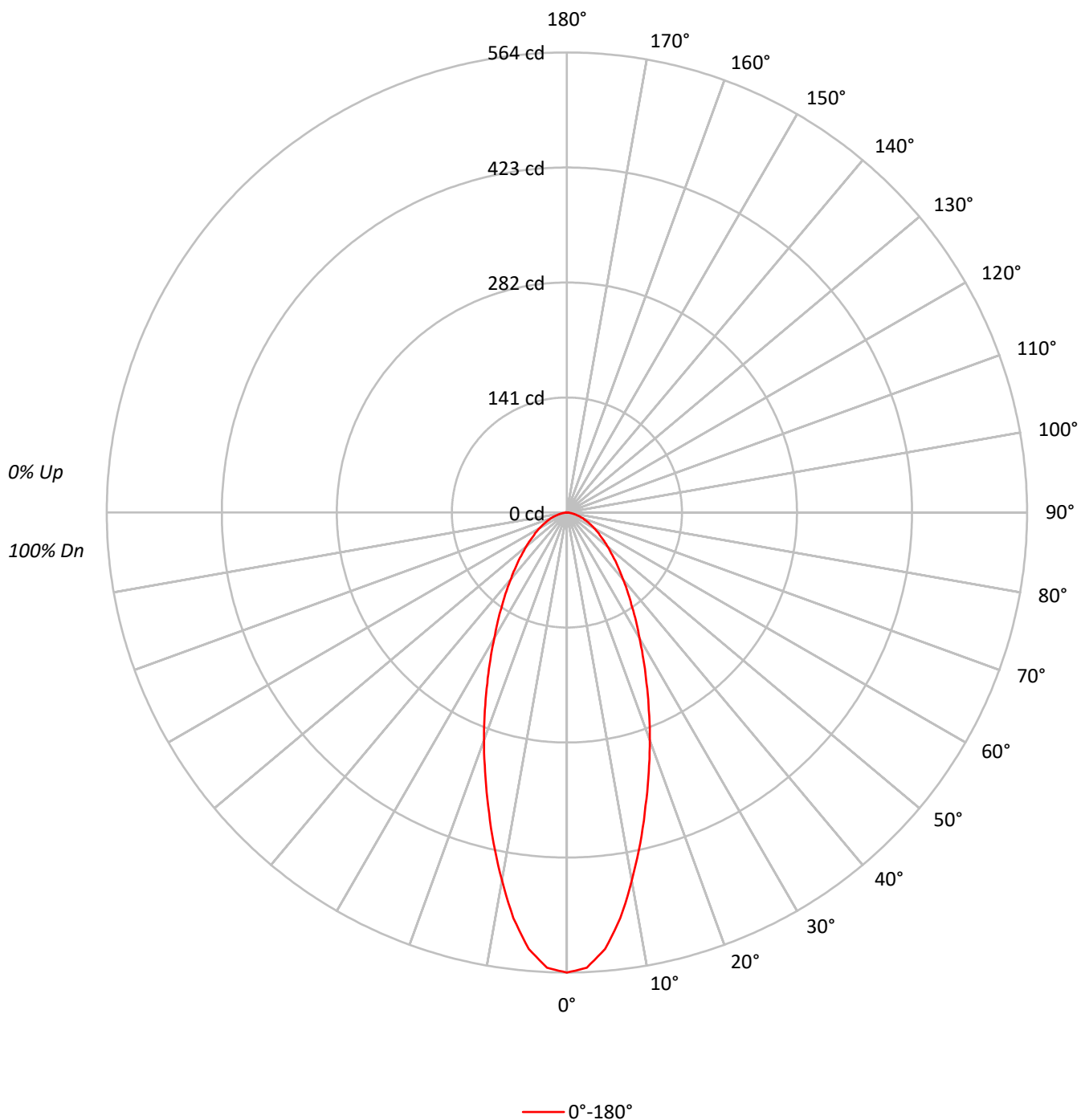
Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1246497

CATALOG NUMBER: P3A09R309024DE010 E3PHLD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123696
5°	118226
10°	101980
15°	84541
20°	69306
25°	55866
30°	45020
35°	36888
40°	30657
45°	25987
50°	22242
55°	19230
60°	17148
65°	14995
70°	13143
75°	11014
80°	8208
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25987 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	9.7
10°-20°	103.8	20.7
20°-30°	106.4	21.2
30°-40°	87.0	17.3
40°-50°	65.1	13.0
50°-60°	45.7	9.1
60°-70°	28.8	5.7
70°-80°	13.9	2.8
80°-90°	2.7	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°	259.0	51.6
0°-40°	346.0	68.9
0°-60°	456.8	91.0
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	564	
5°	537	49
15°	372	104
25°	231	106
35°	138	87
45°	84	65
55°	50	46
65°	29	29
75°	13	14
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	564.1
2.5°	558.5
5°	537.1
7.5°	501.7
10°	458.0
12.5°	415.2
15°	372.4
17.5°	333.3
20°	297.0
22.5°	262.5
25°	230.9
27.5°	202.9
30°	177.8
32.5°	157.3
35°	137.8
37.5°	121.9
40°	107.1
42.5°	95.0
45°	83.8
47.5°	73.5
50°	65.2
52.5°	57.7
55°	50.3
57.5°	44.7
60°	39.1
62.5°	33.5
65°	28.9
67.5°	24.2
70°	20.5
72.5°	16.8
75°	13.0
77.5°	9.3
80°	6.5
82.5°	3.7
85°	1.9
87.5°	0.9
90°	0.0

(END OF REPORT)