

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: P1245554

Luminaire Tested: P3A02R109024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R109024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

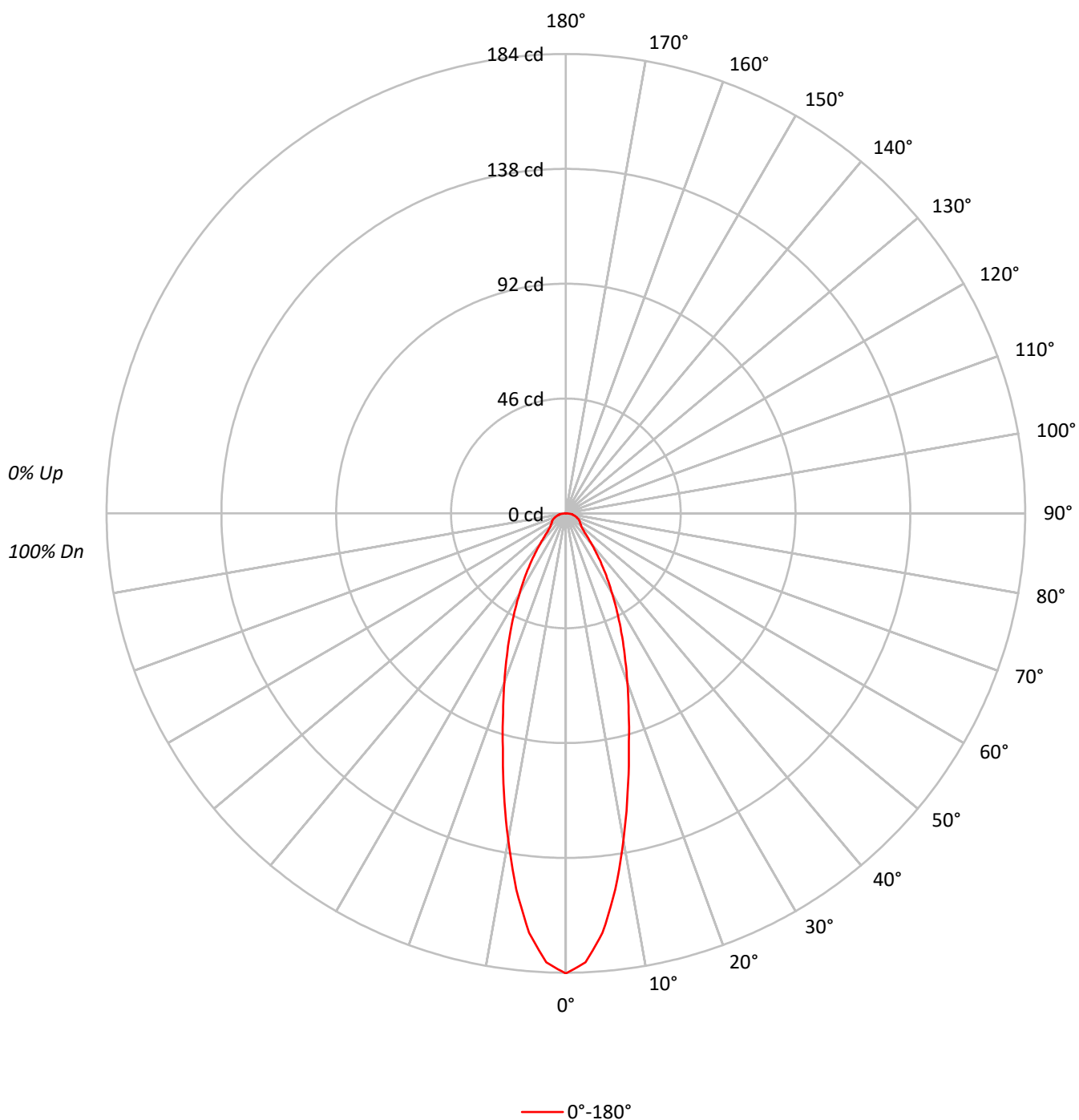
Lumens per Lamp: N/A
Luminaire Lumens: 108.0 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.8
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				0
RW	70	50	30	10	70	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		100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		90
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		81
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		74
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		68
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		63
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		59
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		55
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		49
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40413
5°	37112
10°	29570
15°	22111
20°	16778
25°	12702
30°	9394
35°	6719
40°	4609
45°	3225
50°	2729
55°	2676
60°	2807
65°	2958
70°	3013
75°	3135
80°	3410
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 3864 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	13.8
10°-20°	27.3	25.3
20°-30°	24.2	22.4
30°-40°	15.9	14.7
40°-50°	8.5	7.8
50°-60°	6.4	5.9
60°-70°	5.5	5.1
70°-80°	3.8	3.5
80°-90°	1.5	1.4
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°	66.4	61.5
0°-40°	82.3	76.2
0°-60°	97.1	90.0
0°-90°	108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	108.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	184	
5°	169	15
15°	97	27
25°	52	24
35°	25	16
45°	10	8
55°	7	6
65°	6	6
75°	4	4
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	184.3
2.5°	180.0
5°	168.6
7.5°	151.9
10°	132.8
12.5°	114.4
15°	97.4
17.5°	83.6
20°	71.9
22.5°	61.6
25°	52.5
27.5°	44.5
30°	37.1
32.5°	30.8
35°	25.1
37.5°	20.1
40°	16.1
42.5°	12.7
45°	10.4
47.5°	9.0
50°	8.0
52.5°	7.7
55°	7.0
57.5°	6.7
60°	6.4
62.5°	6.0
65°	5.7
67.5°	5.0
70°	4.7
72.5°	4.0
75°	3.7
77.5°	3.0
80°	2.7
82.5°	2.3
85°	1.3
87.5°	0.7
90°	0.0

(END OF REPORT)