

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: P1246120

Luminaire Tested: P3A05R309024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R309024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

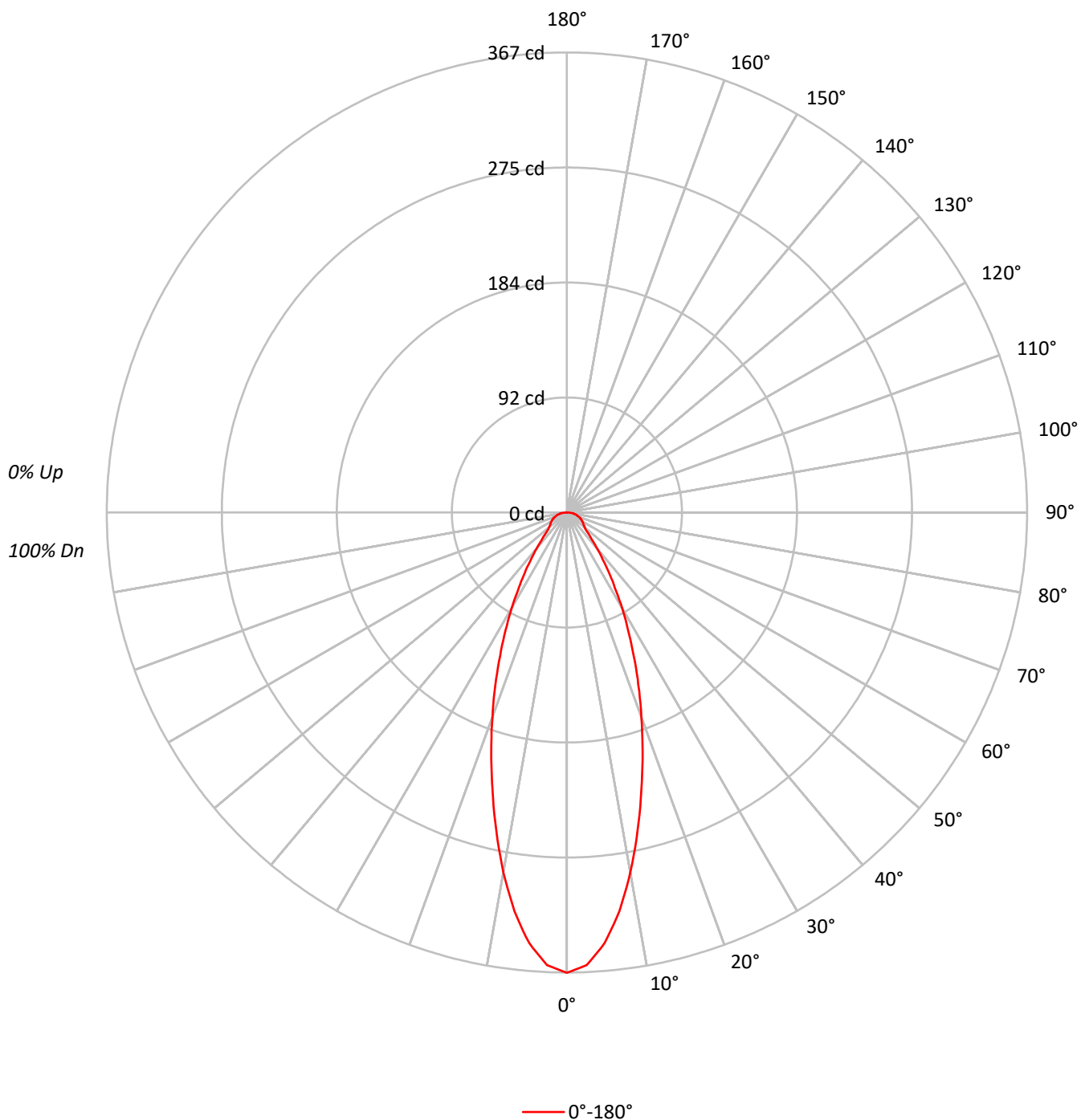
Lumens per Lamp: N/A
Luminaire Lumens: 248.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	101	102	100	97		98	96	94		90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	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	66	75	70	66		74	69	65		63
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		59
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		55
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		51
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		49
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80520
5°	75919
10°	64906
15°	52009
20°	40534
25°	30486
30°	22231
35°	15660
40°	10734
45°	7691
50°	6311
55°	6079
60°	6140
65°	6278
70°	6540
75°	7032
80°	7198
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 8568 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	12.6
10°-20°	63.7	25.7
20°-30°	58.0	23.4
30°-40°	36.9	14.9
40°-50°	19.8	8.0
50°-60°	14.5	5.8
60°-70°	12.2	4.9
70°-80°	8.5	3.4
80°-90°	3.4	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°	152.9	61.6
0°-40°	189.8	76.5
0°-60°	224.0	90.3
0°-90°	248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	367	
5°	345	31
15°	229	64
25°	126	58
35°	58	37
45°	25	20
55°	16	14
65°	12	12
75°	8	8
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	367.2
2.5°	361.5
5°	344.9
7.5°	320.7
10°	291.5
12.5°	260.3
15°	229.1
17.5°	200.5
20°	173.7
22.5°	148.9
25°	126.0
27.5°	105.6
30°	87.8
32.5°	71.3
35°	58.5
37.5°	46.5
40°	37.5
42.5°	29.9
45°	24.8
47.5°	20.4
50°	18.5
52.5°	17.2
55°	15.9
57.5°	15.3
60°	14.0
62.5°	13.4
65°	12.1
67.5°	11.5
70°	10.2
72.5°	8.9
75°	8.3
77.5°	7.0
80°	5.7
82.5°	5.1
85°	3.2
87.5°	1.3
90°	0.0

(END OF REPORT)