

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: P1249649

Luminaire Tested: P3AS17R309027DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249649
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: P3AS17R309027DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

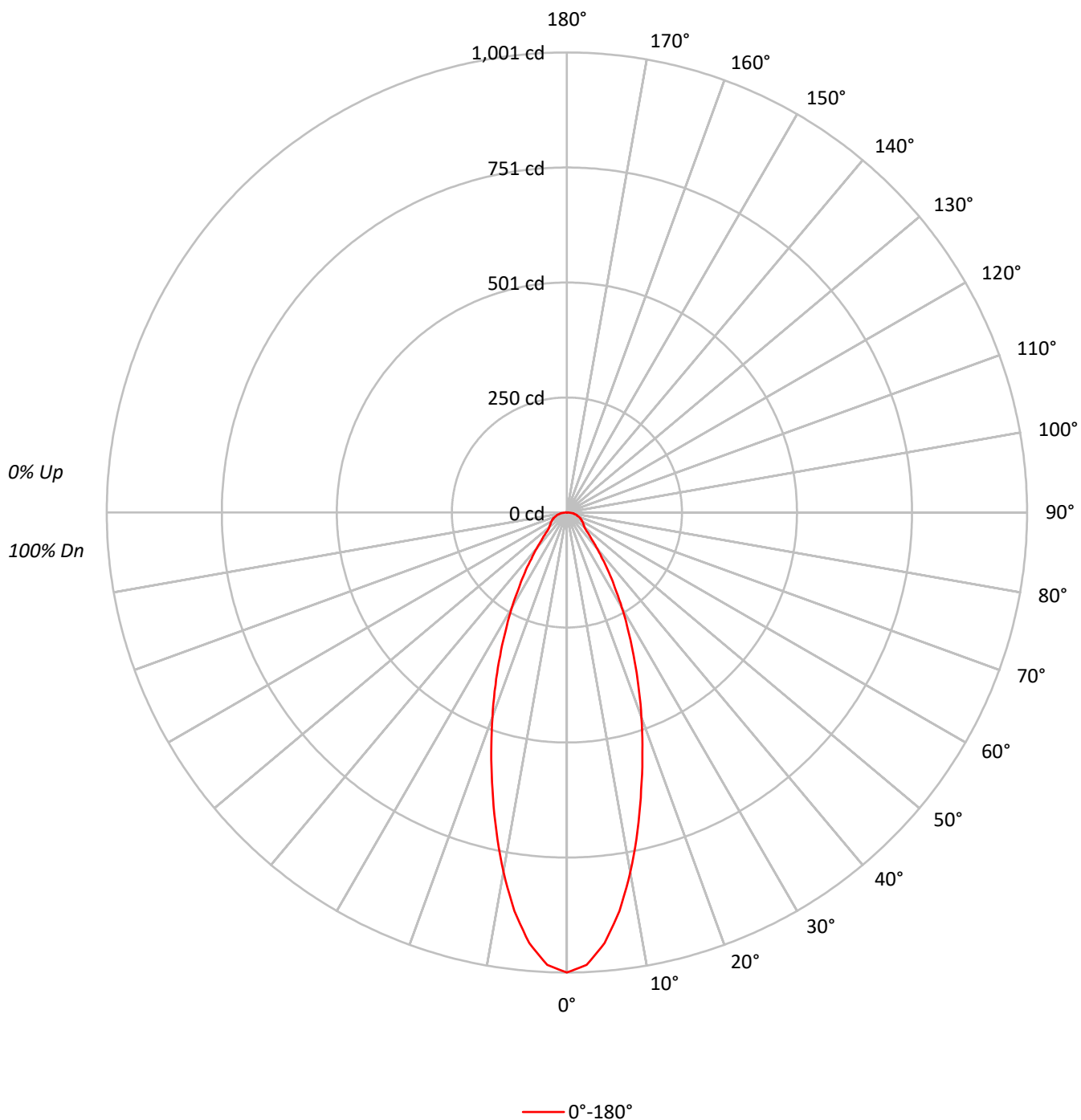
Lumens per Lamp: N/A
Luminaire Lumens: 676.0 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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				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	94		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		68
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		64
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219478
5°	206955
10°	176906
15°	141772
20°	110516
25°	83110
30°	60617
35°	42724
40°	29283
45°	20994
50°	17159
55°	16592
60°	16753
65°	17122
70°	17824
75°	19148
80°	19699
85°	21889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 23352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	12.6
10°-20°	173.5	25.7
20°-30°	158.1	23.4
30°-40°	100.6	14.9
40°-50°	53.9	8.0
50°-60°	39.4	5.8
60°-70°	33.1	4.9
70°-80°	23.2	3.4
80°-90°	9.2	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°	416.7	61.6
0°-40°	517.3	76.5
0°-60°	610.6	90.3
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1001	
5°	940	85
15°	624	174
25°	344	158
35°	160	101
45°	68	54
55°	43	39
65°	33	33
75°	23	23
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1000.9
2.5°	985.3
5°	940.2
7.5°	874.3
10°	794.5
12.5°	709.5
15°	624.5
17.5°	546.4
20°	473.6
22.5°	405.9
25°	343.5
27.5°	288.0
30°	239.4
32.5°	194.3
35°	159.6
37.5°	126.6
40°	102.3
42.5°	81.5
45°	67.7
47.5°	55.5
50°	50.3
52.5°	46.8
55°	43.4
57.5°	41.6
60°	38.2
62.5°	36.4
65°	33.0
67.5°	31.2
70°	27.8
72.5°	24.3
75°	22.6
77.5°	19.1
80°	15.6
82.5°	13.9
85°	8.7
87.5°	3.5
90°	0.0

(END OF REPORT)