

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: P1247287

Luminaire Tested: P3A17R309024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247287
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: P3A17R309024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

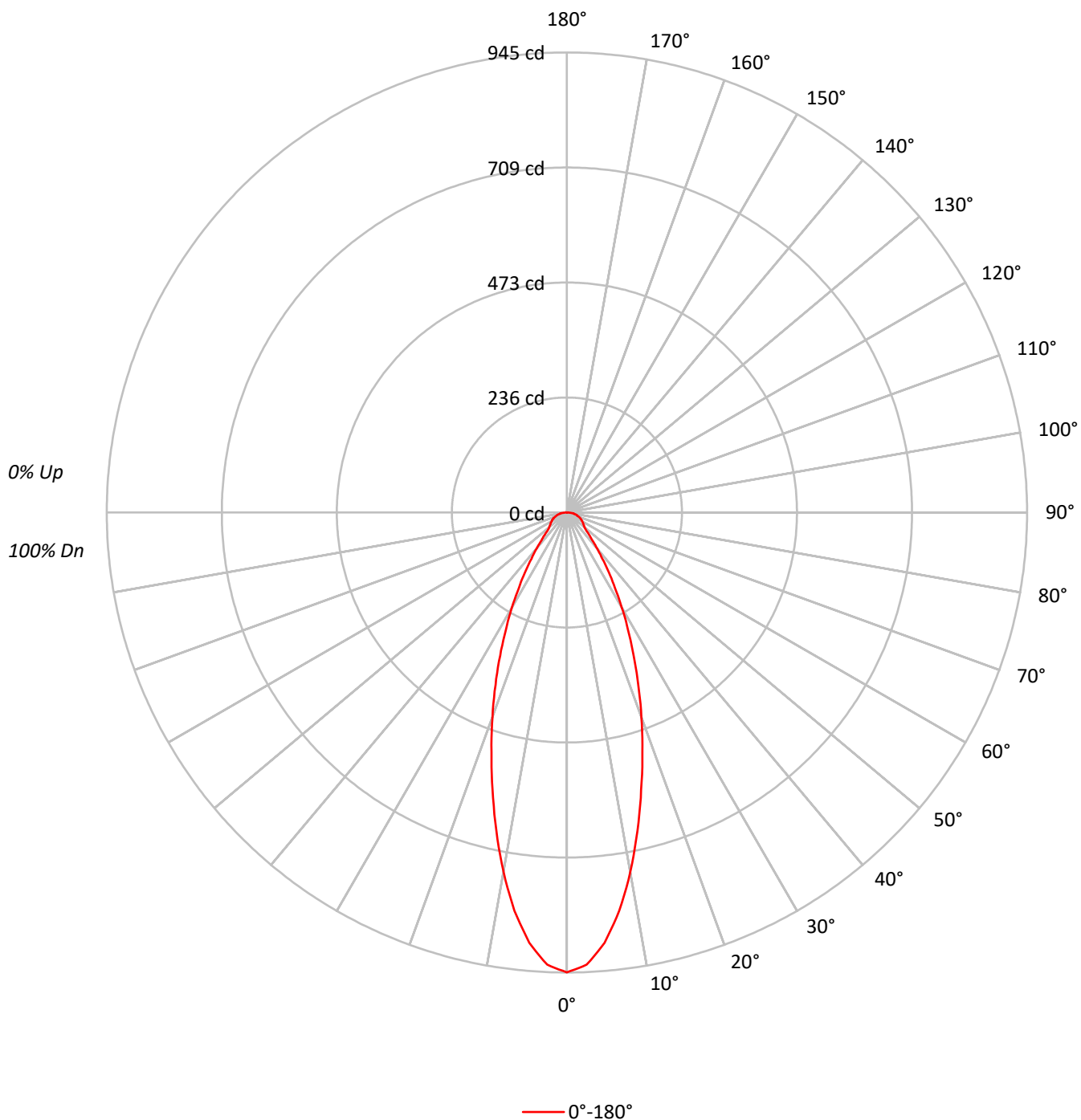
Lumens per Lamp: N/A
Luminaire Lumens: 638.0 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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°	207154
5°	195333
10°	166953
15°	133803
20°	104309
25°	78440
30°	57199
35°	40314
40°	27652
45°	19816
50°	16204
55°	15636
60°	15788
65°	16137
70°	16798
75°	18046
80°	18563
85°	20631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 22008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	12.6
10°-20°	163.8	25.7
20°-30°	149.2	23.4
30°-40°	95.0	14.9
40°-50°	50.8	8.0
50°-60°	37.2	5.8
60°-70°	31.2	4.9
70°-80°	21.8	3.4
80°-90°	8.7	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°	393.3	61.6
0°-40°	488.3	76.5
0°-60°	576.3	90.3
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	945	
5°	887	80
15°	589	164
25°	324	149
35°	151	95
45°	64	51
55°	41	37
65°	31	31
75°	21	22
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	944.7
2.5°	929.9
5°	887.4
7.5°	825.1
10°	749.8
12.5°	669.6
15°	589.4
17.5°	515.7
20°	447.0
22.5°	383.1
25°	324.2
27.5°	271.8
30°	225.9
32.5°	183.4
35°	150.6
37.5°	119.5
40°	96.6
42.5°	76.9
45°	63.9
47.5°	52.4
50°	47.5
52.5°	44.2
55°	40.9
57.5°	39.3
60°	36.0
62.5°	34.4
65°	31.1
67.5°	29.5
70°	26.2
72.5°	22.9
75°	21.3
77.5°	18.0
80°	14.7
82.5°	13.1
85°	8.2
87.5°	3.3
90°	0.0

(END OF REPORT)