

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: P1270119

Luminaire Tested: P3A17R209740DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R209740DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

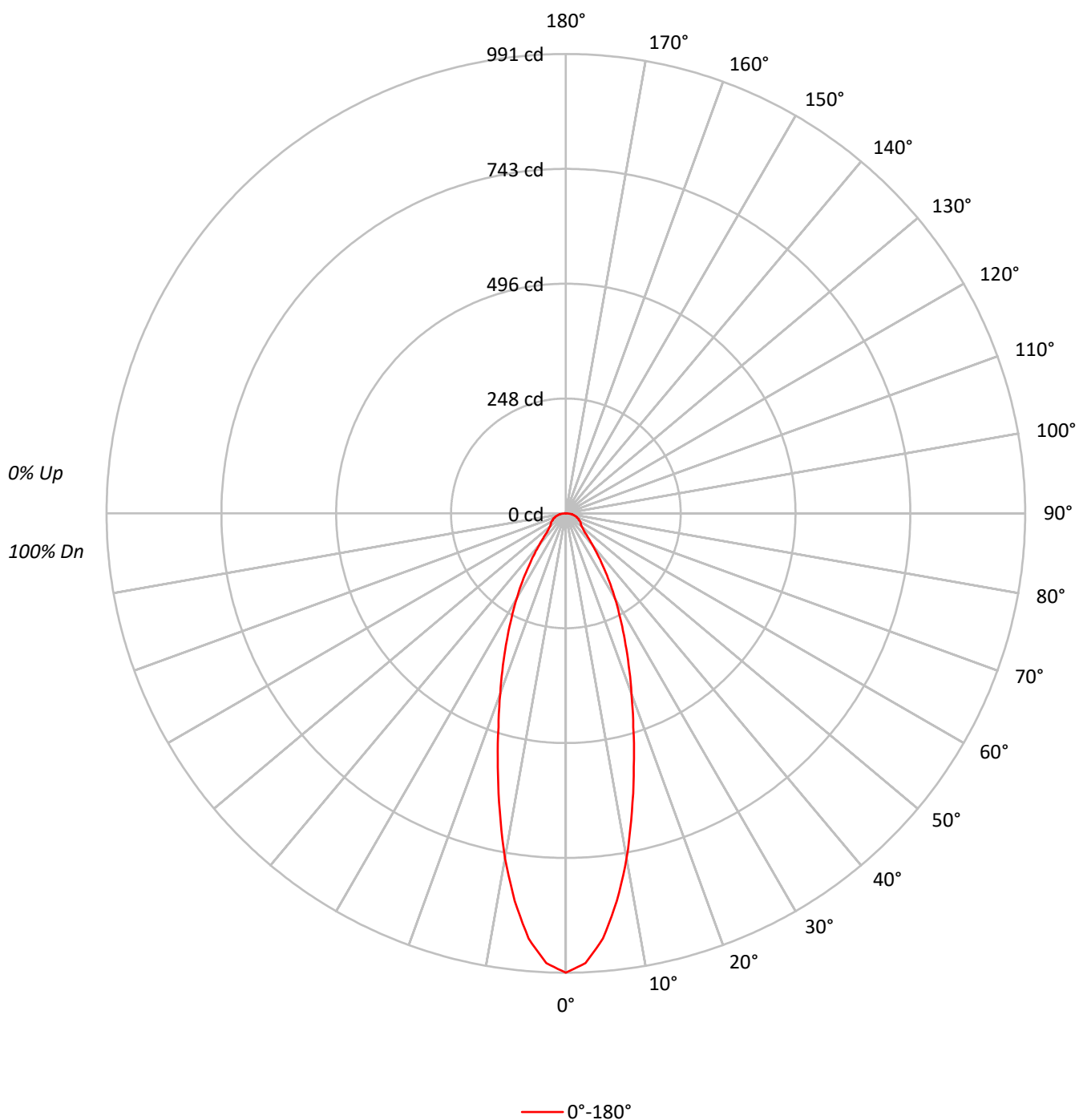
Lumens per Lamp: N/A
Luminaire Lumens: 611.1 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217285
5°	202663
10°	168178
15°	128605
20°	96515
25°	72657
30°	53730
35°	37557
40°	25734
45°	17831
50°	15351
55°	15139
60°	15788
65°	15877
70°	16157
75°	16775
80°	18184
85°	18115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 21168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	13.5
10°-20°	157.5	25.8
20°-30°	138.6	22.7
30°-40°	89.4	14.6
40°-50°	47.4	7.8
50°-60°	35.7	5.8
60°-70°	30.3	5.0
70°-80°	21.4	3.5
80°-90°	8.3	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°	378.6	61.9
0°-40°	468.0	76.6
0°-60°	551.1	90.2
0°-90°	611.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	991	
5°	921	82
15°	566	158
25°	300	139
35°	140	89
45°	58	47
55°	40	36
65°	31	30
75°	20	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	990.9
2.5°	971.1
5°	920.7
7.5°	843.4
10°	755.3
12.5°	658.2
15°	566.5
17.5°	483.7
20°	413.6
22.5°	354.3
25°	300.3
27.5°	253.6
30°	212.2
32.5°	174.4
35°	140.3
37.5°	113.3
40°	89.9
42.5°	71.9
45°	57.5
47.5°	50.4
50°	45.0
52.5°	41.4
55°	39.6
57.5°	37.8
60°	36.0
62.5°	32.4
65°	30.6
67.5°	28.8
70°	25.2
72.5°	23.4
75°	19.8
77.5°	18.0
80°	14.4
82.5°	12.6
85°	7.2
87.5°	3.6
90°	0.0

(END OF REPORT)