

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: P1300250

Luminaire Tested: P3A17R30W2N902750DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300250
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: P3A17R30W2N902750DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

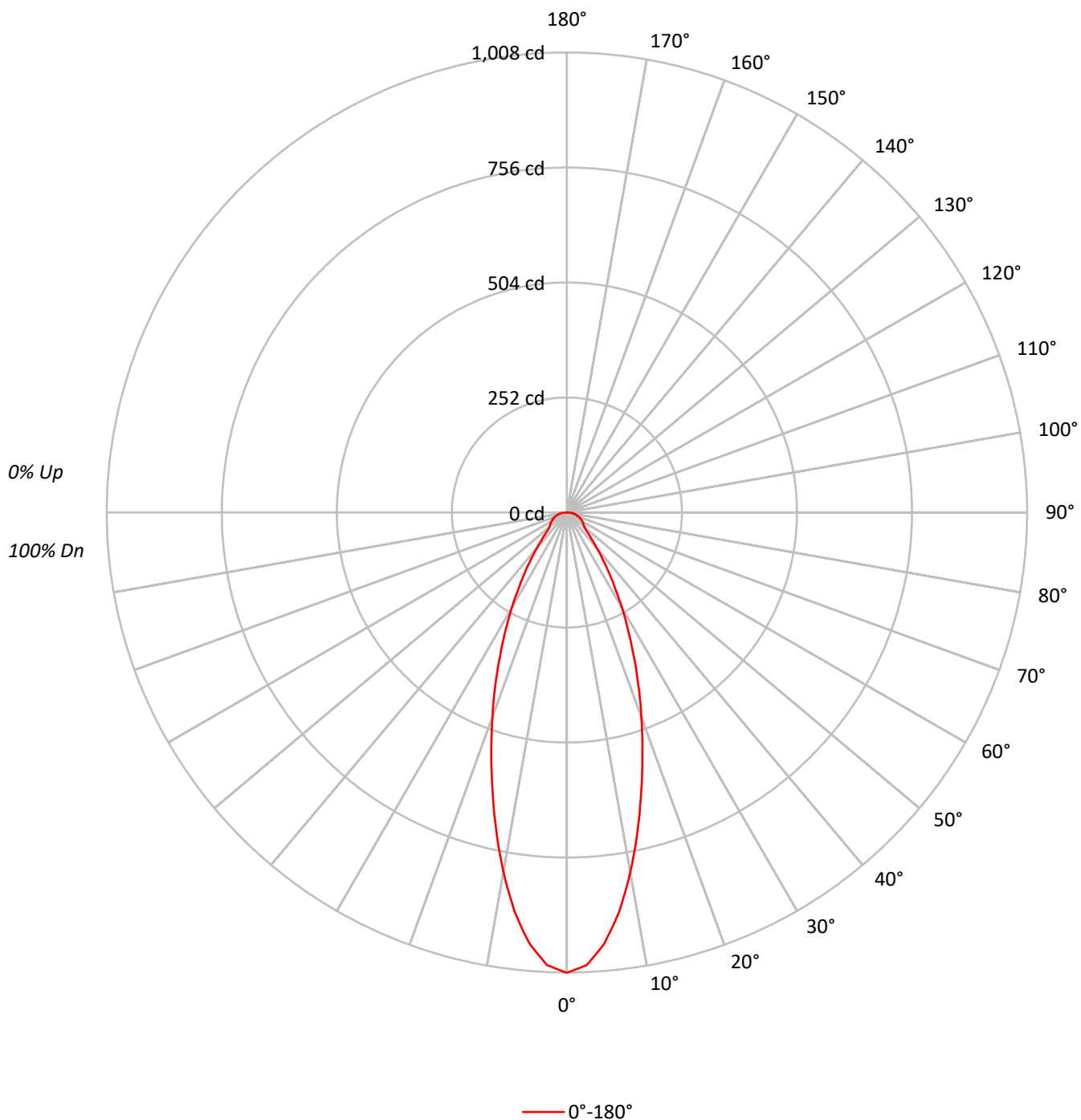
Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 35.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59		
7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	55		
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221101
5°	208496
10°	178220
15°	142816
20°	111333
25°	83715
30°	61073
35°	43045
40°	29512
45°	21149
50°	17296
55°	16707
60°	16841
65°	17226
70°	17952
75°	19232
80°	19826
85°	21889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 23520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	12.6
10°-20°	174.8	25.7
20°-30°	159.3	23.4
30°-40°	101.4	14.9
40°-50°	54.3	8.0
50°-60°	39.7	5.8
60°-70°	33.3	4.9
70°-80°	23.3	3.4
80°-90°	9.3	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°	419.8	61.6
0°-40°	521.2	76.5
0°-60°	615.1	90.3
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1008	
5°	947	86
15°	629	175
25°	346	159
35°	161	101
45°	68	54
55°	44	40
65°	33	33
75°	23	23
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1008.3
2.5°	992.6
5°	947.2
7.5°	880.8
10°	800.4
12.5°	714.7
15°	629.1
17.5°	550.5
20°	477.1
22.5°	408.9
25°	346.0
27.5°	290.1
30°	241.2
32.5°	195.7
35°	160.8
37.5°	127.6
40°	103.1
42.5°	82.1
45°	68.2
47.5°	55.9
50°	50.7
52.5°	47.2
55°	43.7
57.5°	41.9
60°	38.4
62.5°	36.7
65°	33.2
67.5°	31.5
70°	28.0
72.5°	24.5
75°	22.7
77.5°	19.2
80°	15.7
82.5°	14.0
85°	8.7
87.5°	3.5
90°	0.0

(END OF REPORT)