

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: P1300251

Luminaire Tested: P3A17R30W2N902750DE010 E3PHLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300251
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

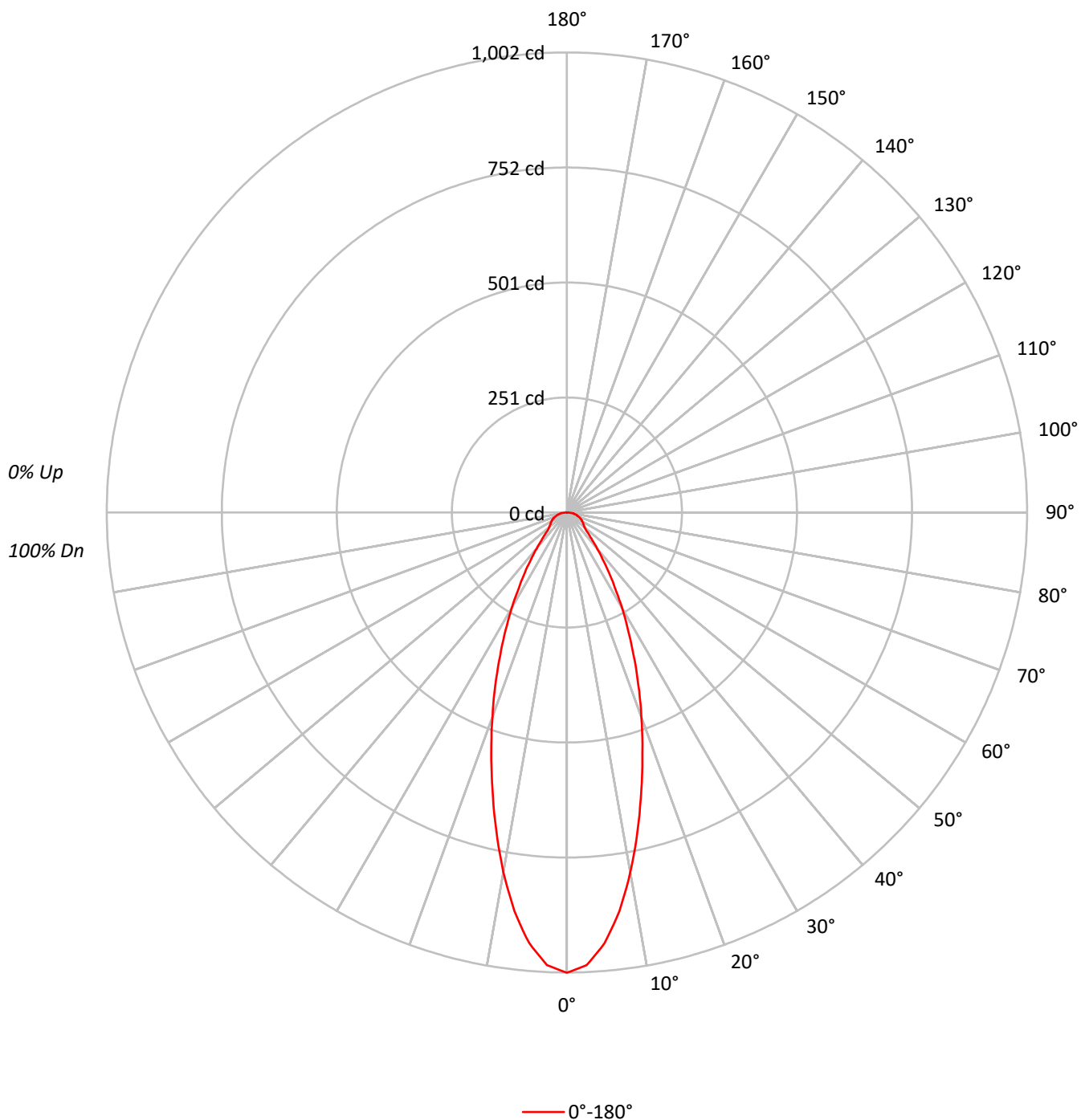
Lumens per Lamp: N/A
Luminaire Lumens: 677.0 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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		0			
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°	219807
5°	207263
10°	177173
15°	141976
20°	110680
25°	83231
30°	60693
35°	42777
40°	29341
45°	21025
50°	17193
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°	85.2	12.6
10°-20°	173.8	25.7
20°-30°	158.3	23.4
30°-40°	100.8	14.9
40°-50°	54.0	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°	417.3	61.6
0°-40°	518.1	76.5
0°-60°	611.5	90.3
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1002	
5°	942	85
15°	625	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°	1002.4
2.5°	986.8
5°	941.6
7.5°	875.6
10°	795.7
12.5°	710.5
15°	625.4
17.5°	547.2
20°	474.3
22.5°	406.5
25°	344.0
27.5°	288.4
30°	239.7
32.5°	194.6
35°	159.8
37.5°	126.8
40°	102.5
42.5°	81.7
45°	67.8
47.5°	55.6
50°	50.4
52.5°	46.9
55°	43.4
57.5°	41.7
60°	38.2
62.5°	36.5
65°	33.0
67.5°	31.3
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)