

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: P1300244

Luminaire Tested: P3A17R30W2N902750DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R30W2N902750DE010 E3PHLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

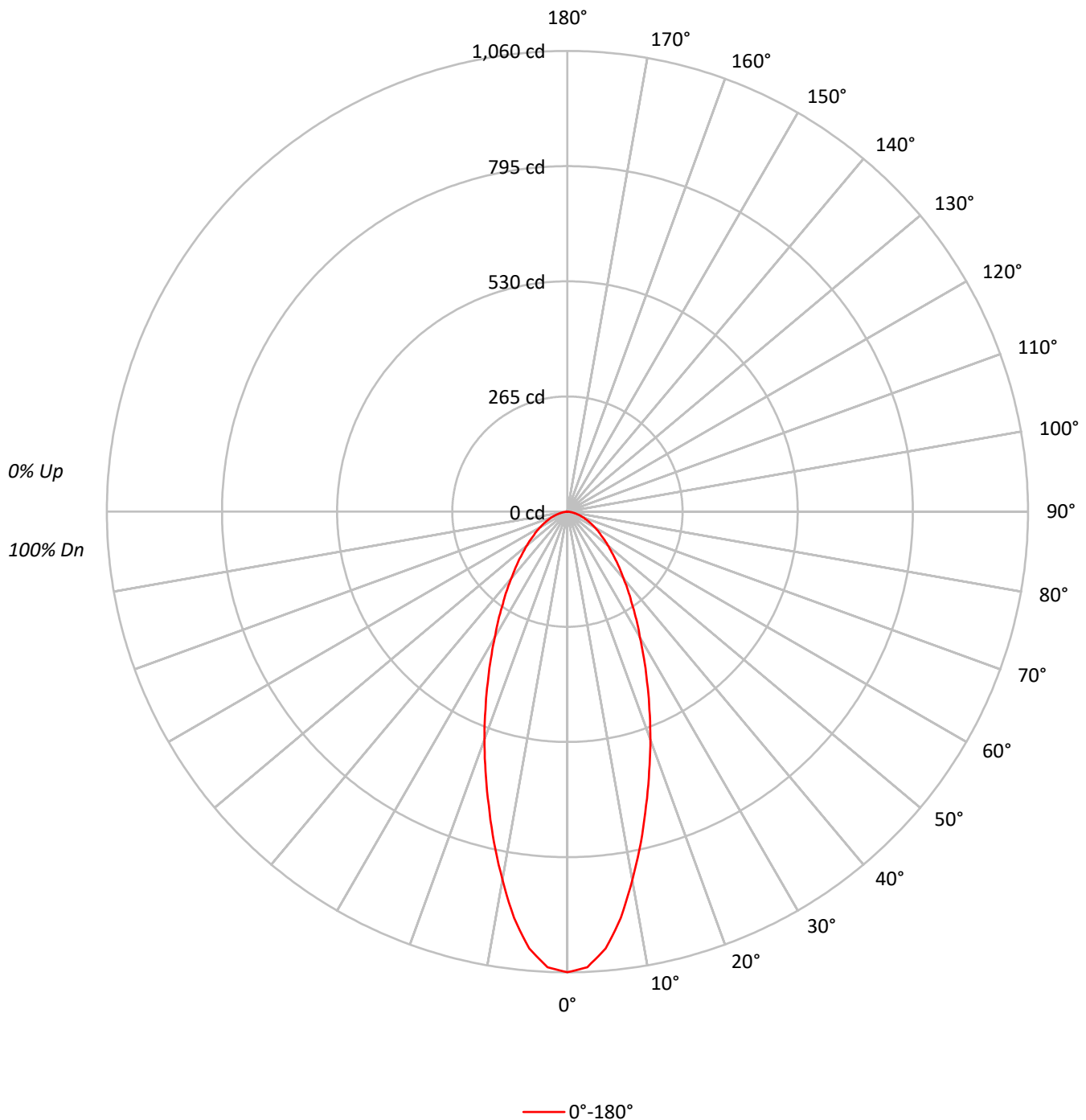
Lumens per Lamp: N/A
Luminaire Lumens: 943.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		102	99	97		98	96	94		94	93	91		90			
2	104	98	93	88		102	96	91	87		93	89	85		90	86	83		87	84	82		80			
3	97	89	83	78		95	88	82	77		85	80	76		82	78	75		80	76	73		71			
4	91	82	75	69		89	80	74	69		78	72	68		76	71	67		74	70	66		65			
5	85	75	68	63		84	74	67	62		72	66	62		70	65	61		69	64	61		59			
6	80	69	62	57		79	69	62	57		67	61	56		65	60	56		64	59	56		54			
7	76	65	57	52		74	64	57	52		62	56	52		61	56	52		60	55	51		50			
8	71	60	53	48		70	60	53	48		58	52	48		57	52	48		56	51	48		46			
9	68	57	50	45		66	56	49	45		55	49	45		54	49	45		53	48	44		43			
10	64	53	47	42		63	53	46	42		52	46	42		51	46	42		50	45	42		40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	232372
5°	222099
10°	191557
15°	158798
20°	130165
25°	104933
30°	84570
35°	69279
40°	57565
45°	48811
50°	41756
55°	36090
60°	32190
65°	28122
70°	24684
75°	20757
80°	15406
85°	8806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	9.7
10°-20°	195.1	20.7
20°-30°	199.9	21.2
30°-40°	163.4	17.3
40°-50°	122.2	13.0
50°-60°	85.8	9.1
60°-70°	54.0	5.7
70°-80°	26.0	2.8
80°-90°	5.0	0.5
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°	486.4	51.6
0°-40°	649.9	68.9
0°-60°	857.9	91.0
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	1009	91
15°	700	195
25°	434	200
35°	259	163
45°	157	122
55°	94	86
65°	54	54
75°	24	26
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1059.7
2.5°	1049.2
5°	1009.0
7.5°	942.5
10°	860.3
12.5°	779.9
15°	699.5
17.5°	626.0
20°	557.8
22.5°	493.1
25°	433.7
27.5°	381.2
30°	334.0
32.5°	295.5
35°	258.8
37.5°	229.1
40°	201.1
42.5°	178.4
45°	157.4
47.5°	138.1
50°	122.4
52.5°	108.4
55°	94.4
57.5°	83.9
60°	73.4
62.5°	63.0
65°	54.2
67.5°	45.5
70°	38.5
72.5°	31.5
75°	24.5
77.5°	17.5
80°	12.2
82.5°	7.0
85°	3.5
87.5°	1.7
90°	0.0

(END OF REPORT)