

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: P1288741

Luminaire Tested: P3A05R30W2N902750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R30W2N902750DE010 E3D1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

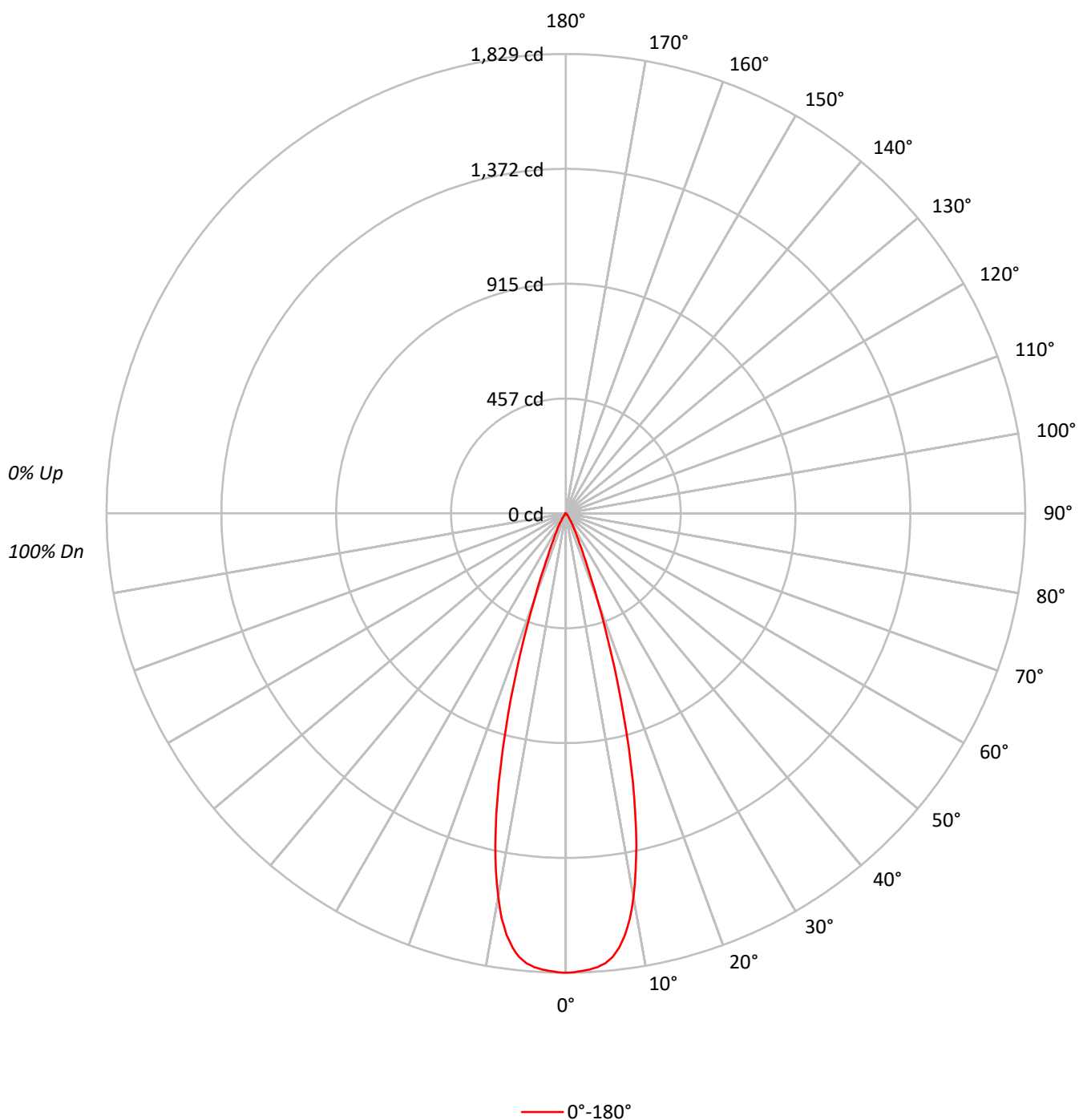
Lumens per Lamp: N/A
Luminaire Lumens: 504.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97						
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94						
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90						
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88						
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85						
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82						
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80						
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78						
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76						
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	400999
5°	395773
10°	345551
15°	219638
20°	87018
25°	29058
30°	13521
35°	6130
40°	2347
45°	1147
50°	341
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1147 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	32.6
10°-20°	254.9	50.6
20°-30°	65.7	13.0
30°-40°	15.4	3.1
40°-50°	3.0	0.6
50°-60°	0.4	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	485.0	96.2
0°-40°	500.5	99.3
0°-60°	503.9	100.0
0°-90°	504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	504.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1829	
5°	1798	164
15°	968	255
25°	120	66
35°	23	15
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1828.7
1°	1827.3
2°	1823.0
3°	1818.1
4°	1810.9
5°	1798.0
6°	1777.0
7°	1742.2
8°	1694.7
9°	1632.7
10°	1551.9
11°	1455.8
12°	1350.9
13°	1230.2
14°	1103.8
15°	967.5
16°	833.8
17°	705.1
18°	581.7
19°	468.4
20°	372.9
21°	293.5
22°	230.9
23°	182.7
24°	146.3
25°	120.1
26°	100.2
27°	85.1
28°	73.6
29°	63.0
30°	53.4
32.5°	33.7
35°	22.9
37.5°	14.3
40°	8.2
42.5°	5.5
45°	3.7
47.5°	2.2
50°	1.0
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)