

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: P1291268

Luminaire Tested: P3A05R70W2N902750DE010 E3D1H_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R70W2N902750DE010 E3D1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

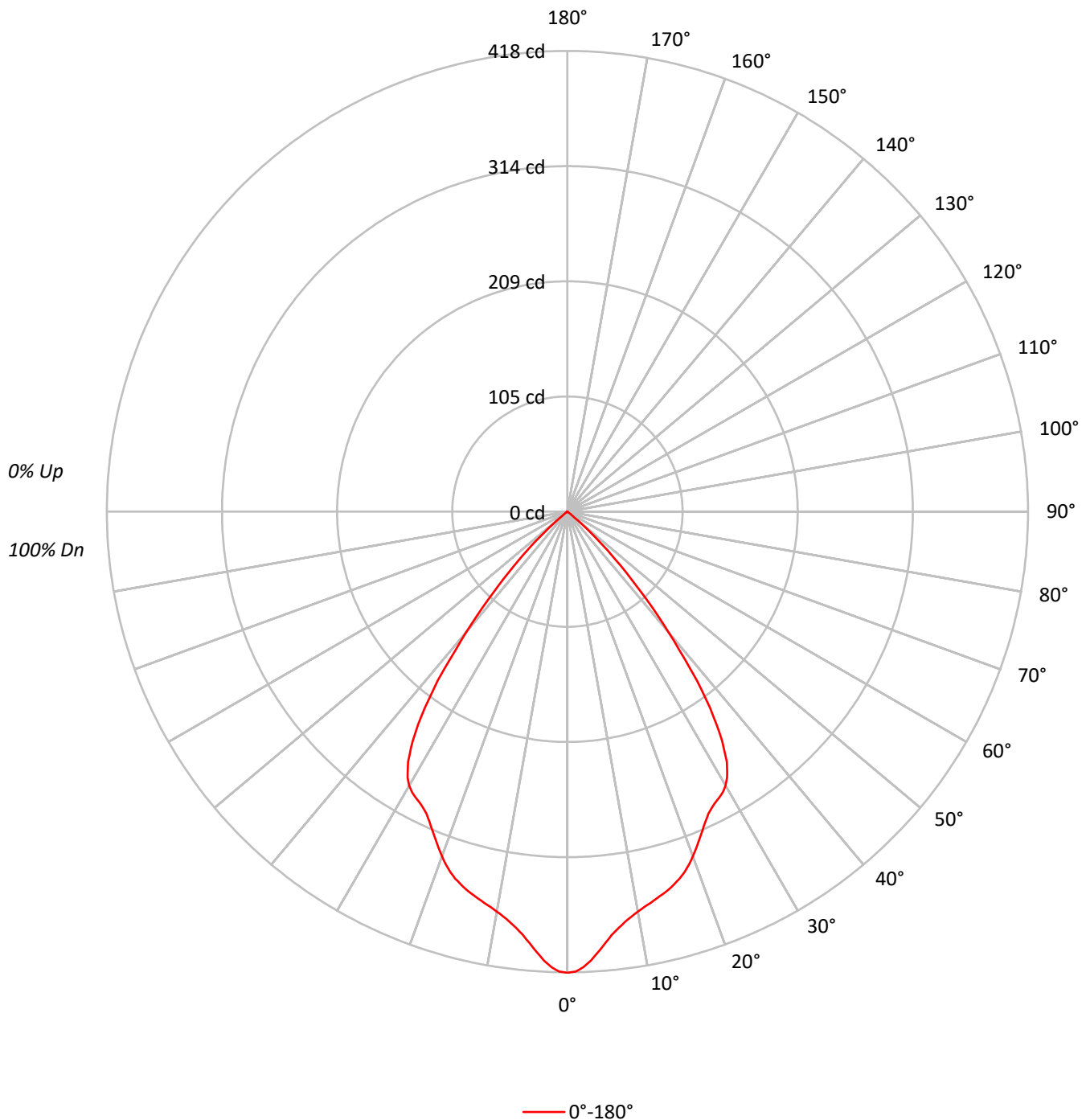
Lumens per Lamp: N/A
Luminaire Lumens: 472.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79		
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72		
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91769
5°	86529
10°	82051
15°	80591
20°	77683
25°	73214
30°	72695
35°	63309
40°	40962
45°	19351
50°	2695
55°	229
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19351 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	7.8
10°-20°	99.7	21.1
20°-30°	141.0	29.9
30°-40°	141.7	30.0
40°-50°	51.0	10.8
50°-60°	1.4	0.3
60°-70°	0.3	0.1
70°-80°	0.2	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°	277.4	58.8
0°-40°	419.1	88.8
0°-60°	471.5	99.9
0°-90°	472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	418	
5°	393	37
15°	355	100
25°	303	141
35°	236	142
45°	62	51
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	418.5
1°	417.4
2°	413.7
3°	407.9
4°	400.5
5°	393.1
6°	386.2
7°	380.7
8°	375.9
9°	372.0
10°	368.5
11°	365.6
12°	362.9
13°	360.2
14°	357.7
15°	355.0
16°	351.7
17°	348.2
18°	343.9
19°	338.7
20°	332.9
21°	326.5
22°	320.1
23°	313.9
24°	307.8
25°	302.6
26°	298.9
27°	296.0
28°	293.7
29°	291.0
30°	287.1
31°	281.5
32°	273.5
32.5°	269.1
33°	263.1
34°	251.2
35°	236.5
36°	220.2
37°	201.8
37.5°	193.3
38°	181.6
39°	160.9
40°	143.1
42.5°	99.1
45°	62.4



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	33.5
50°	7.9
52.5°	1.0
55°	0.6
57.5°	0.6
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)