

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: P1282471

Luminaire Tested: P3AS05R70B2750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282471
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: P3AS05R70B2750DE010 E3D1WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

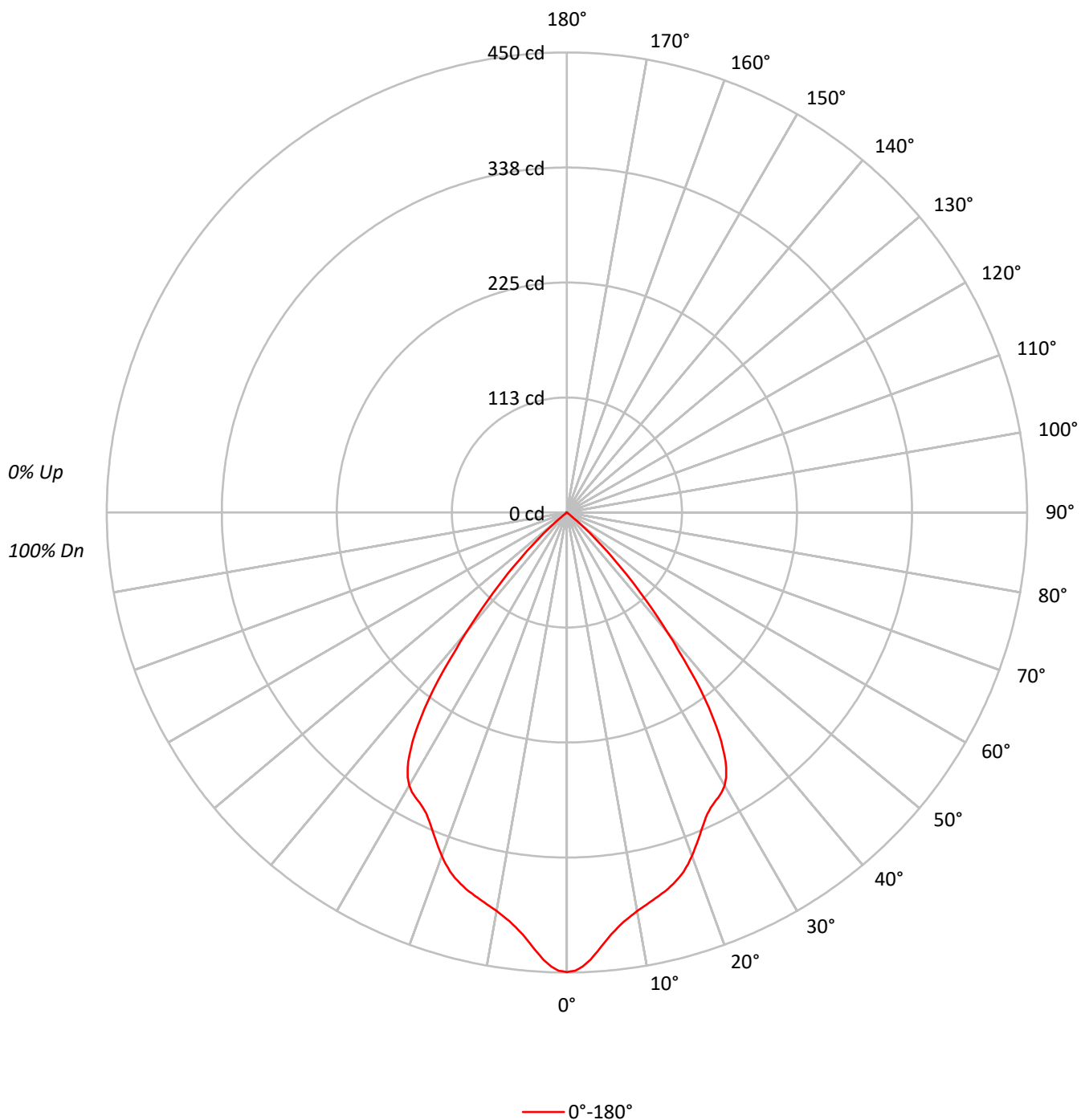
Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	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°	98589
5°	92956
10°	88130
15°	86561
20°	83424
25°	78658
30°	78088
35°	67994
40°	43997
45°	20808
50°	2900
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: 20808 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	7.8
10°-20°	107.1	21.1
20°-30°	151.5	29.9
30°-40°	152.2	30.0
40°-50°	54.7	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°	298.0	58.8
0°-40°	450.2	88.8
0°-60°	506.4	99.9
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	450	
5°	422	39
15°	381	107
25°	325	151
35°	254	152
45°	67	55
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	449.6
1°	448.3
2°	444.4
3°	438.1
4°	430.2
5°	422.3
6°	414.8
7°	409.0
8°	403.8
9°	399.6
10°	395.8
11°	392.7
12°	389.8
13°	386.9
14°	384.2
15°	381.3
16°	377.7
17°	374.0
18°	369.4
19°	363.8
20°	357.5
21°	350.7
22°	343.8
23°	337.1
24°	330.7
25°	325.1
26°	321.1
27°	318.0
28°	315.5
29°	312.6
30°	308.4
31°	302.4
32°	293.8
32.5°	289.0
33°	282.6
34°	269.9
35°	254.0
36°	236.6
37°	216.8
37.5°	207.6
38°	195.1
39°	172.8
40°	153.7
42.5°	106.4
45°	67.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	36.0
50°	8.5
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)