

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: P1291287

Luminaire Tested: P3A05R70W2N902750DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291287
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 E3D1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

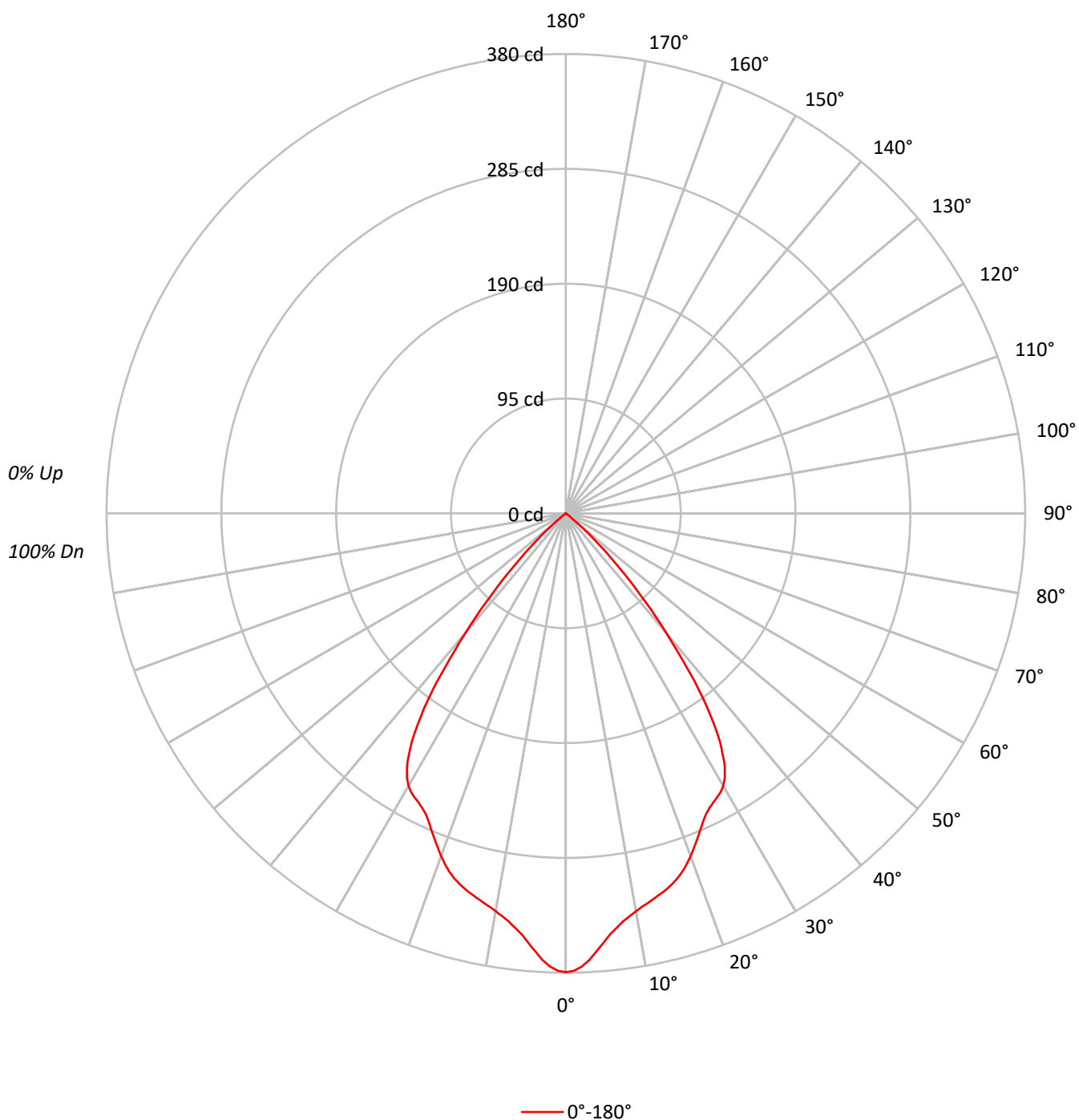
Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	76	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°	83217
5°	78472
10°	74414
15°	73076
20°	70426
25°	66391
30°	65909
35°	57420
40°	37127
45°	17552
50°	2456
55°	191
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17552 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	7.8
10°-20°	90.4	21.1
20°-30°	127.9	29.9
30°-40°	128.5	30.0
40°-50°	46.2	10.8
50°-60°	1.2	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°	251.5	58.8
0°-40°	380.0	88.8
0°-60°	427.5	99.9
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	380	
5°	356	33
15°	322	90
25°	274	128
35°	214	128
45°	57	46
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	379.5
1°	378.5
2°	375.1
3°	369.9
4°	363.2
5°	356.5
6°	350.2
7°	345.2
8°	340.8
9°	337.3
10°	334.2
11°	331.5
12°	329.1
13°	326.6
14°	324.3
15°	321.9
16°	318.9
17°	315.7
18°	311.8
19°	307.1
20°	301.8
21°	296.0
22°	290.2
23°	284.6
24°	279.1
25°	274.4
26°	271.1
27°	268.4
28°	266.3
29°	263.9
30°	260.3
31°	255.2
32°	248.0
32.5°	244.0
33°	238.5
34°	227.8
35°	214.5
36°	199.7
37°	183.0
37.5°	175.3
38°	164.7
39°	145.9
40°	129.7
42.5°	89.8
45°	56.6



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	30.4
50°	7.2
52.5°	0.9
55°	0.5
57.5°	0.5
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)