

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: P1291277

Luminaire Tested: P3A05R70W2N902750DE010 E3D1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R70W2N902750DE010 E3D1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

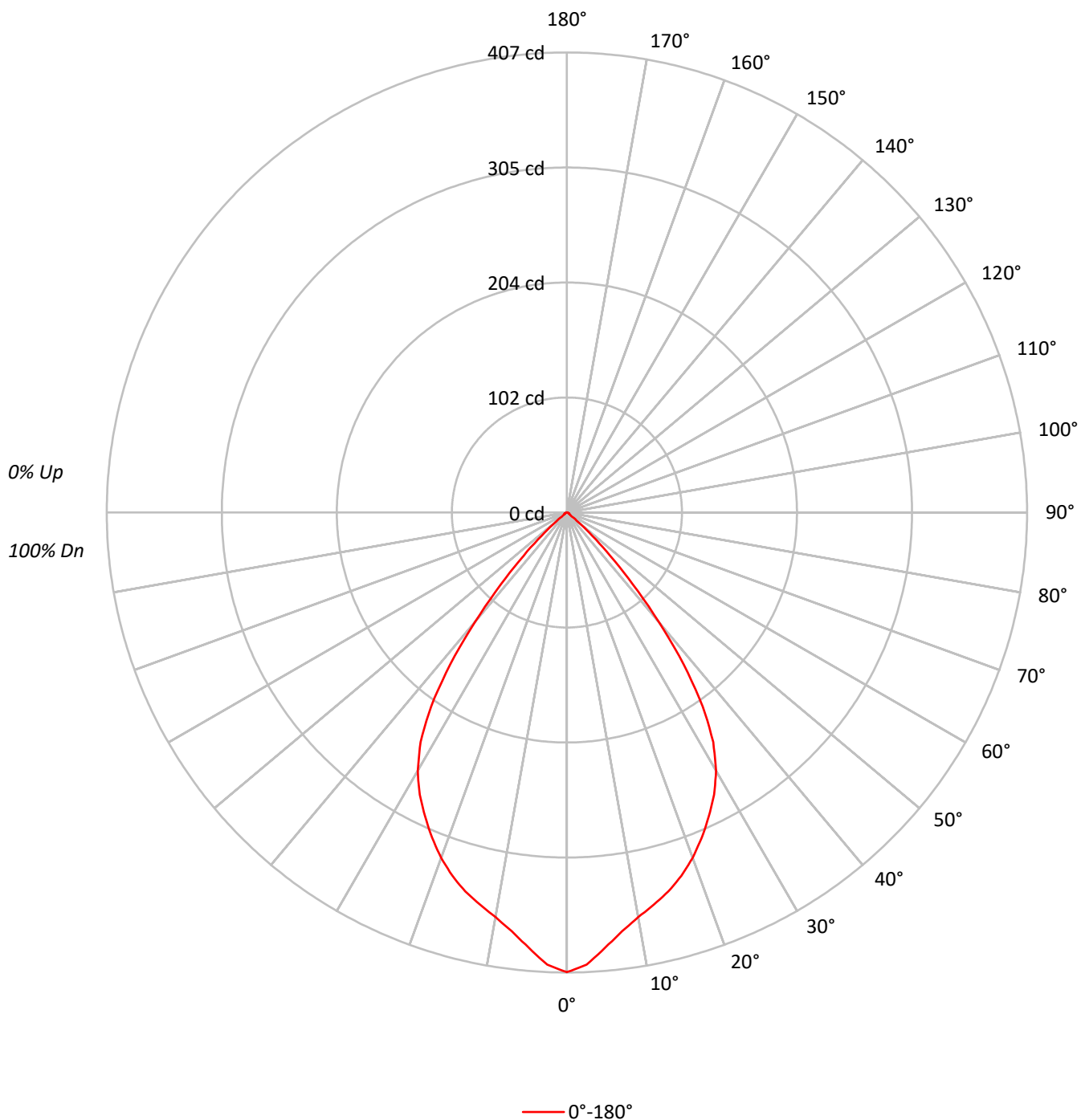
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94		93
2	107	102	97	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		85	82	80		78
4	95	87	81	77	94	86	81	76	84	79	75		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	64	59	68	63	59		67	62	59		66	62	58		57
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62	57	54		53
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58	54	50		49
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55	50	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89160
5°	85076
10°	80938
15°	78775
20°	75863
25°	71811
30°	66795
35°	56108
40°	36153
45°	16808
50°	4401
55°	1109
60°	1096
65°	934
70°	898
75°	932
80°	884
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 16808 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	8.1
10°-20°	97.5	21.7
20°-30°	136.2	30.3
30°-40°	126.3	28.1
40°-50°	45.3	10.1
50°-60°	3.8	0.9
60°-70°	1.9	0.4
70°-80°	1.2	0.3
80°-90°	0.5	0.1
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°	269.9	60.1
0°-40°	396.2	88.3
0°-60°	445.3	99.2
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	407	
5°	386	36
15°	347	98
25°	297	136
35°	210	126
45°	54	45
55°	3	4
65°	2	2
75°	1	1
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	406.6
2.5°	400.5
5°	386.5
7.5°	373.6
10°	363.5
12.5°	355.3
15°	347.0
17.5°	337.0
20°	325.1
22.5°	311.5
25°	296.8
27.5°	281.7
30°	263.8
32.5°	240.8
35°	209.6
37.5°	169.7
40°	126.3
42.5°	86.1
45°	54.2
47.5°	30.1
50°	12.9
52.5°	4.3
55°	2.9
57.5°	2.5
60°	2.5
62.5°	2.2
65°	1.8
67.5°	1.8
70°	1.4
72.5°	1.4
75°	1.1
77.5°	1.1
80°	0.7
82.5°	0.7
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)