

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: P1291311

Luminaire Tested: P3A05R70W2N902750DE010 E3DL1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R70W2N902750DE010 E3DL1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

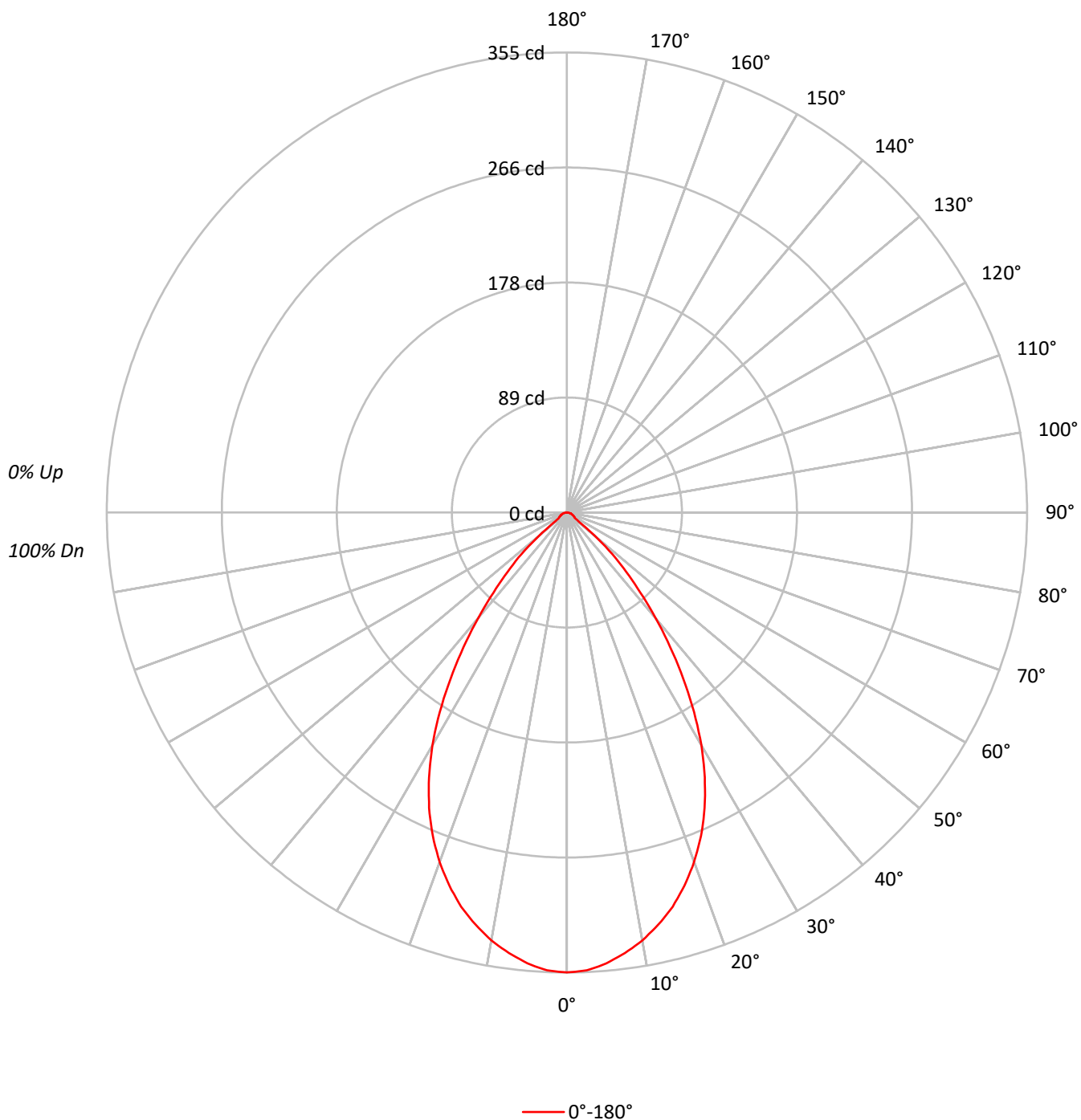
Lumens per Lamp: N/A
Luminaire Lumens: 402.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	107	104	110	107	105	103	103	101	100		100	98	97		96	95	94		92
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90	88	86		84
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84	81	79		77
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79	75	72		70
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74	70	66		65
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69	65	61		60
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65	60	57		55
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61	56	53		51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49		48
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54	49	46		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77823
5°	76887
10°	74659
15°	71510
20°	66972
25°	60850
30°	52565
35°	41894
40°	30514
45°	20064
50°	9381
55°	2906
60°	2807
65°	2698
70°	2565
75°	2711
80°	2526
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	8.2
10°-20°	88.2	21.9
20°-30°	114.6	28.5
30°-40°	97.2	24.2
40°-50°	50.1	12.5
50°-60°	9.7	2.4
60°-70°	5.2	1.3
70°-80°	3.2	0.8
80°-90°	0.9	0.2
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°	235.6	58.6
0°-40°	332.8	82.8
0°-60°	392.6	97.7
0°-90°	402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	355	
5°	349	33
15°	315	88
25°	252	115
35°	156	97
45°	65	50
55°	8	10
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	354.9
2.5°	353.7
5°	349.3
7.5°	342.9
10°	335.3
12.5°	325.8
15°	315.0
17.5°	301.8
20°	287.0
22.5°	270.3
25°	251.5
27.5°	230.3
30°	207.6
32.5°	182.4
35°	156.5
37.5°	130.9
40°	106.6
42.5°	83.8
45°	64.7
47.5°	47.5
50°	27.5
52.5°	12.0
55°	7.6
57.5°	7.2
60°	6.4
62.5°	6.0
65°	5.2
67.5°	4.8
70°	4.0
72.5°	3.6
75°	3.2
77.5°	2.4
80°	2.0
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)