

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: P1291297

Luminaire Tested: P3A05R70W2N902750DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291297
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 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

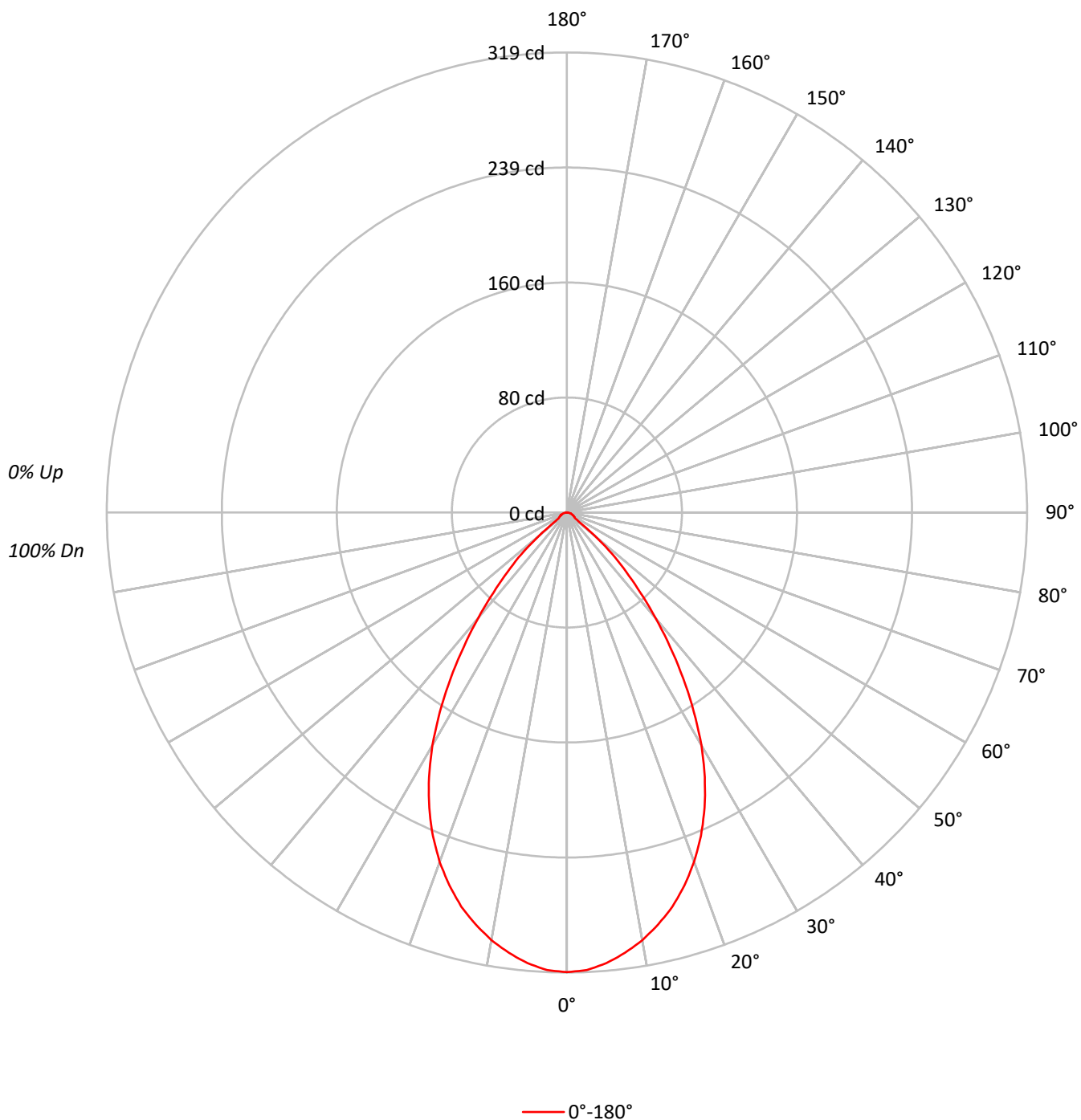
Lumens per Lamp: N/A
Luminaire Lumens: 361.1 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	69885
5°	69051
10°	67044
15°	64223
20°	60159
25°	54656
30°	47197
35°	37611
40°	27394
45°	18017
50°	8426
55°	2600
60°	2500
65°	2439
70°	2308
75°	2457
80°	2273
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	8.2
10°-20°	79.2	21.9
20°-30°	102.9	28.5
30°-40°	87.3	24.2
40°-50°	45.0	12.5
50°-60°	8.7	2.4
60°-70°	4.7	1.3
70°-80°	2.9	0.8
80°-90°	0.8	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°	211.6	58.6
0°-40°	298.9	82.8
0°-60°	352.6	97.7
0°-90°	361.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	319	
5°	314	30
15°	283	79
25°	226	103
35°	140	87
45°	58	45
55°	7	9
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	318.7
2.5°	317.6
5°	313.7
7.5°	308.0
10°	301.1
12.5°	292.5
15°	282.9
17.5°	271.0
20°	257.8
22.5°	242.7
25°	225.9
27.5°	206.9
30°	186.4
32.5°	163.8
35°	140.5
37.5°	117.6
40°	95.7
42.5°	75.3
45°	58.1
47.5°	42.7
50°	24.7
52.5°	10.8
55°	6.8
57.5°	6.5
60°	5.7
62.5°	5.4
65°	4.7
67.5°	4.3
70°	3.6
72.5°	3.2
75°	2.9
77.5°	2.2
80°	1.8
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)