

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: P1291265

Luminaire Tested: P3A05R70W2N902750DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291265
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 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

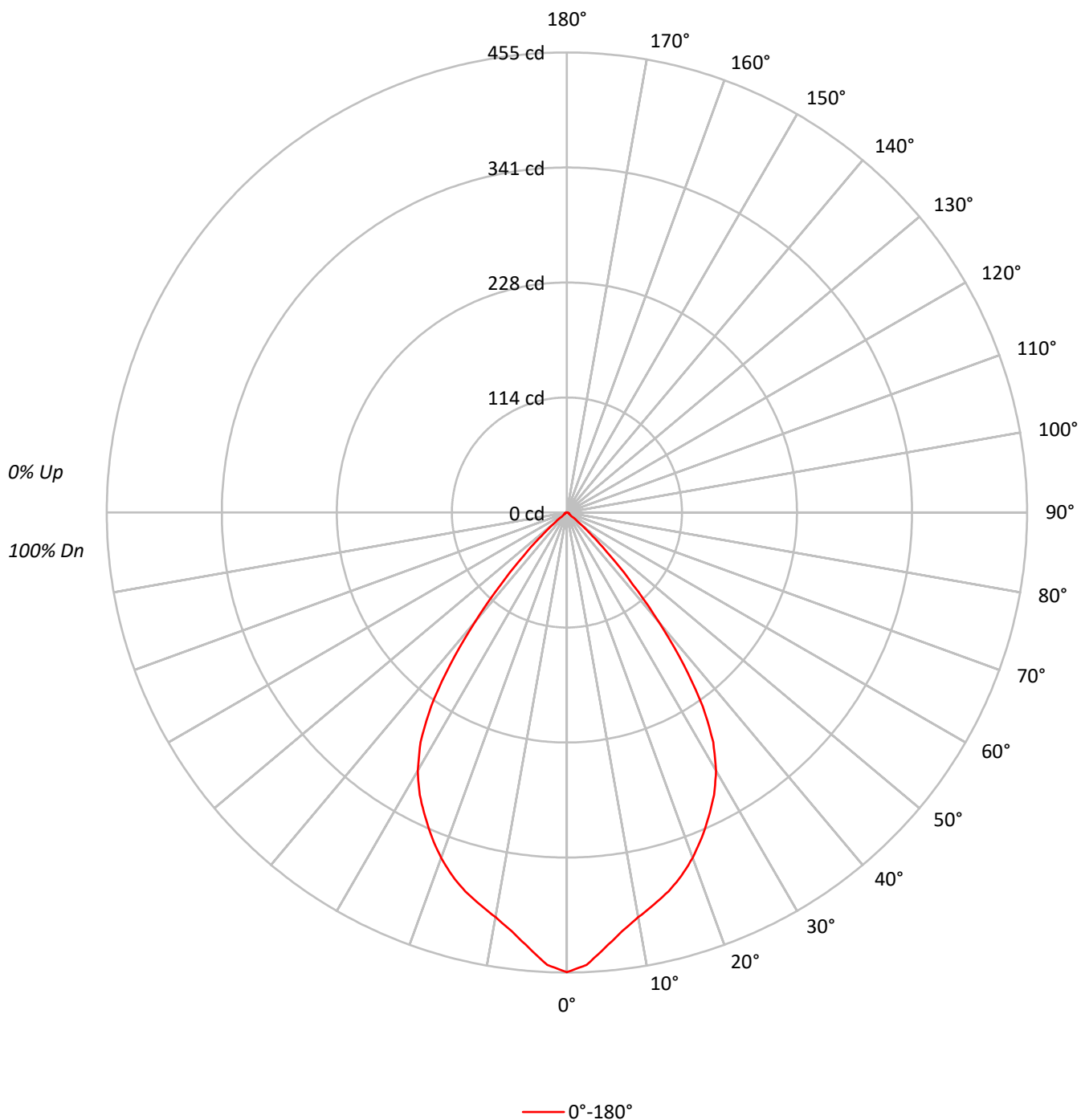
Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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°	99685
5°	95113
10°	90490
15°	88082
20°	84824
25°	80279
30°	74670
35°	62720
40°	40419
45°	18793
50°	4912
55°	1223
60°	1228
65°	1038
70°	1026
75°	1017
80°	1010
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18793 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	8.1
10°-20°	109.0	21.7
20°-30°	152.3	30.3
30°-40°	141.2	28.1
40°-50°	50.6	10.1
50°-60°	4.3	0.9
60°-70°	2.1	0.4
70°-80°	1.4	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°	301.8	60.1
0°-40°	443.0	88.3
0°-60°	497.9	99.2
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	455	
5°	432	40
15°	388	109
25°	332	152
35°	234	141
45°	61	51
55°	3	4
65°	2	2
75°	1	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	454.6
2.5°	447.8
5°	432.1
7.5°	417.7
10°	406.4
12.5°	397.2
15°	388.0
17.5°	376.8
20°	363.5
22.5°	348.3
25°	331.8
27.5°	315.0
30°	294.9
32.5°	269.2
35°	234.3
37.5°	189.8
40°	141.2
42.5°	96.3
45°	60.6
47.5°	33.7
50°	14.4
52.5°	4.8
55°	3.2
57.5°	2.8
60°	2.8
62.5°	2.4
65°	2.0
67.5°	2.0
70°	1.6
72.5°	1.6
75°	1.2
77.5°	1.2
80°	0.8
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)