

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: P#

Luminaire Tested: P3ART05R70W2N902765DE010 E3CLDWW1MB_4000K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70W2N902765DE010 E3CLDWW1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55741	55741	55741
5°	54787	54787	54787
10°	51947	52081	52215
15°	47719	47968	48377
20°	42820	43240	43777
25°	37672	38252	39075
30°	33119	33727	34740
35°	28830	29767	30544
40°	25190	25848	26507
45°	21739	22452	22979
50°	19343	19752	19957
55°	17051	17280	17280
60°	14999	14736	14999
65°	12297	12608	12920
70°	9681	9681	10002
75°	6354	5846	5846
80°	3662	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	6.6
10°-20°	59.0	16.7
20°-30°	72.8	20.6
30°-40°	69.4	19.6
40°-50°	56.1	15.9
50°-60°	40.4	11.4
60°-70°	24.2	6.8
70°-80°	8.1	2.3
80°-90°	0.7	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°	155.1	43.8
0°-40°	224.5	63.4
0°-60°	321.0	90.7
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	254	254	254	254	254	
5°	249	249	249	249	249	23
15°	210	211	211	212	213	59
25°	156	157	158	161	162	72
35°	108	109	111	113	114	68
45°	70	71	72	74	74	55
55°	45	45	45	45	45	40
65°	24	24	24	25	25	24
75°	8	8	7	7	7	8
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2°	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.0
2.5°	253.6	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.6	253.0
5°	248.9	248.9	248.9	248.9	248.9	248.9	248.9	248.9	249.5	248.9	248.9
7.5°	242.0	242.0	242.0	242.0	242.6	242.6	242.6	242.6	243.2	243.2	242.6
10°	233.3	233.3	233.3	233.3	233.9	233.9	234.5	233.9	233.9	234.5	234.5
12.5°	222.9	222.3	222.3	222.3	222.9	223.5	223.5	223.5	224.1	224.1	224.1
15°	210.2	210.2	210.2	210.7	210.7	211.3	211.9	211.9	212.5	212.5	213.1
17.5°	197.4	197.4	196.8	197.4	198.0	198.6	199.2	199.7	200.3	200.3	200.3
20°	183.5	182.9	183.5	184.1	184.7	185.3	185.8	187.0	187.6	187.6	187.6
22.5°	169.6	169.1	169.6	170.2	170.8	171.4	173.1	173.7	174.3	174.3	175.4
25°	155.7	155.7	156.3	156.9	157.5	158.1	159.2	160.4	160.9	161.5	161.5
27.5°	143.0	143.0	143.0	143.0	144.2	145.3	146.5	147.6	148.2	148.8	148.8
30°	130.8	130.3	130.3	130.8	132.0	133.2	134.3	135.5	136.1	136.6	137.2
32.5°	118.7	118.7	118.7	119.3	119.8	121.6	122.7	123.3	124.5	125.1	125.1
35°	107.7	107.7	107.7	108.8	110.0	111.2	111.7	112.9	114.1	114.1	114.1
37.5°	98.4	99.0	100.2	99.6	99.6	100.2	100.7	101.9	103.1	103.1	103.1
40°	88.0	88.6	89.2	88.6	89.2	90.3	90.9	91.5	92.1	92.6	92.6
42.5°	78.2	78.2	78.2	78.7	79.9	80.5	81.6	82.2	82.8	82.8	82.8
45°	70.1	70.1	70.6	71.2	71.8	72.4	72.9	73.5	74.1	74.1	74.1
47.5°	63.1	63.1	63.7	63.7	64.3	64.8	65.4	65.4	66.0	66.6	66.0
50°	56.7	56.7	56.7	57.3	57.3	57.9	57.9	58.5	58.5	58.5	58.5
52.5°	50.4	50.4	50.4	50.4	50.9	50.9	50.9	51.5	51.5	51.5	51.5
55°	44.6	44.6	44.6	44.6	44.6	45.2	45.2	45.2	45.2	45.2	45.2
57.5°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
60°	34.2	34.2	34.2	34.2	34.2	33.6	34.2	34.2	34.2	34.2	34.2
62.5°	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.5	29.5	29.5	29.5
65°	23.7	24.3	24.3	24.3	24.3	24.3	24.3	24.9	24.9	24.9	24.9
67.5°	19.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7	20.3	20.3	20.3
70°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.6
72.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.0	11.0	11.0
75°	7.5	7.5	7.5	7.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	5.2	5.2	5.2	4.6	4.6	4.1	4.1	4.1	4.1	4.1	3.5
80°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)