

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: P3ART05R70W2N902750DE010 E3CLSWW1MW_3500K

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70W2N902750DE010 E3CLSWW1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22454	22454	22454	22454	22454
5°	27647	25732	21902	19238	18204
10°	33756	28991	20619	15965	14696
15°	40976	31782	18774	13258	11828
20°	45901	33743	16731	10804	9591
25°	48850	34163	14832	8952	7549
30°	50109	33119	13040	7621	6457
35°	48479	32070	11457	6505	5568
40°	44397	30142	10105	5811	4981
45°	39291	25119	8962	5396	4497
50°	32579	21526	7880	4947	4162
55°	24544	17930	7302	4664	3747
60°	19297	13464	6578	4298	3289
65°	14424	9910	5707	3580	2698
70°	9296	6283	4103	2629	1475
75°	3897	3474	1949	1017	508
80°	758	758	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	4.8
10°-20°	28.0	13.7
20°-30°	40.9	20.0
30°-40°	44.5	21.8
40°-50°	38.5	18.9
50°-60°	25.8	12.7
60°-70°	13.3	6.5
70°-80°	3.2	1.6
80°-90°	0.0	0.0
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°	78.6	38.5
0°-40°	123.1	60.3
0°-60°	187.5	91.9
0°-90°	204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	102	102	102	102	102	
5°	126	117	100	87	83	13
15°	180	140	83	58	52	51
25°	202	141	61	37	31	93
35°	181	120	43	24	21	112
45°	127	81	29	17	14	97
55°	64	47	19	12	10	59
65°	28	19	11	7	5	28
75°	5	4	2	1	1	6
85°	0	0	0	0	0	0
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°	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
2.5°	114.0	113.4	113.4	112.2	111.1	109.9	108.2	106.5	104.7	103.0	101.8
5°	125.6	126.1	125.6	123.2	120.3	116.9	113.4	109.4	105.3	101.8	99.5
7.5°	138.9	138.9	137.1	134.2	130.2	124.4	118.6	111.7	105.3	99.5	96.6
10°	151.6	151.6	148.7	144.1	137.7	130.2	122.1	112.8	104.1	96.0	92.6
12.5°	167.2	166.6	163.2	155.6	146.4	135.4	124.4	112.8	102.4	92.6	87.9
15°	180.5	179.9	175.3	166.1	153.9	140.0	125.0	111.7	98.9	87.9	82.7
17.5°	190.4	189.2	184.0	174.2	160.3	142.9	125.6	109.4	94.9	82.7	77.5
20°	196.7	196.1	190.4	178.8	163.7	144.6	125.0	106.5	90.8	77.5	71.7
22.5°	200.8	199.6	193.8	181.1	163.7	144.1	122.7	102.4	85.6	72.3	66.5
25°	201.9	201.4	194.4	180.5	162.0	141.2	119.2	98.4	80.4	67.1	61.3
26°	201.9	201.4	194.4	179.9	160.9	139.4	117.5	96.6	78.7	64.8	59.6
27.5°	201.4	200.8	193.3	178.2	158.5	136.5	114.0	93.2	75.2	61.9	56.1
30°	197.9	196.7	189.2	174.2	153.3	130.8	108.2	87.9	70.0	56.7	51.5
32.5°	190.4	189.2	181.1	167.2	147.5	124.4	101.8	82.2	64.8	51.5	46.9
35°	181.1	179.9	171.8	158.5	139.4	119.8	94.9	75.8	59.0	47.4	42.8
37.5°	169.5	167.8	160.9	147.0	129.6	114.6	89.1	69.4	53.8	42.8	38.8
40°	155.1	154.5	148.1	135.4	118.0	105.3	85.6	69.4	49.2	38.8	35.3
42.5°	141.2	140.0	134.2	123.2	107.6	92.0	75.2	66.5	45.7	34.7	31.8
45°	126.7	125.6	120.3	111.1	96.6	81.0	81.0	57.3	39.3	31.8	28.9
47.5°	111.1	109.9	105.9	98.9	86.2	72.3	59.0	46.9	35.9	28.4	26.0
50°	95.5	96.0	92.6	85.6	75.8	63.1	50.9	39.3	30.7	25.5	23.1
52.5°	79.8	79.3	77.0	72.3	65.4	54.4	43.4	33.6	26.6	22.6	21.4
55°	64.2	64.8	63.6	60.8	55.0	46.9	36.5	28.9	23.7	20.3	19.1
57.5°	53.2	53.8	51.5	49.8	45.1	38.2	30.1	24.3	20.3	17.9	16.8
60°	44.0	44.6	42.8	40.5	37.0	30.7	24.3	20.3	17.9	16.2	15.0
62.5°	35.9	35.3	34.1	31.8	28.9	24.3	19.7	16.8	15.0	13.9	13.3
65°	27.8	27.8	26.6	24.9	22.6	19.1	15.6	13.9	12.7	11.6	11.0
67.5°	20.8	20.8	19.7	18.5	16.2	13.9	12.2	11.0	10.4	9.3	8.7
70°	14.5	14.5	13.9	13.3	11.6	9.8	9.3	8.1	7.5	6.9	6.4
72.5°	9.3	9.3	9.3	8.1	7.5	6.4	6.4	5.8	5.2	4.6	4.6
75°	4.6	5.2	4.6	4.6	4.1	4.1	3.5	3.5	2.9	2.9	2.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
2.5°	100.7	98.9	97.8	96.0	94.9	93.7	93.2	92.6	92.6	92.6
5°	97.8	94.9	92.0	89.1	87.4	85.6	83.9	83.3	82.7	82.7
7.5°	94.3	89.7	85.6	82.2	79.3	77.5	75.8	74.6	74.1	74.1
10°	89.7	83.9	79.3	74.6	71.7	69.4	68.3	66.5	66.5	66.0
12.5°	84.5	77.5	72.3	68.3	65.4	62.5	60.8	59.6	59.0	59.0
15°	78.7	71.7	66.0	61.3	58.4	55.5	53.8	52.7	52.1	52.1
17.5°	72.9	65.4	59.6	55.0	52.1	49.2	47.4	46.3	46.3	45.7
20°	67.1	59.6	53.8	49.2	46.3	44.0	42.2	41.1	40.5	41.1
22.5°	61.9	54.4	48.6	44.6	41.1	38.8	37.0	36.5	35.9	35.9
25°	56.1	49.2	44.0	39.9	37.0	34.7	33.0	32.4	31.8	31.2
26°	54.4	47.4	42.2	38.2	35.3	33.0	31.8	30.7	30.1	30.1
27.5°	52.1	44.6	39.9	35.9	33.0	31.2	29.5	28.9	28.4	28.4
30°	46.9	40.5	35.9	32.4	30.1	27.8	26.6	26.0	25.5	25.5
32.5°	42.8	36.5	32.4	29.5	27.2	25.5	24.3	23.1	23.1	23.1
35°	38.8	33.0	29.5	26.6	24.3	22.6	22.0	21.4	20.8	20.8
37.5°	35.3	30.1	26.6	24.3	22.6	20.8	19.7	19.1	19.1	19.1
40°	31.8	27.8	24.3	22.0	20.3	19.1	17.9	17.4	17.4	17.4
42.5°	28.9	24.9	22.6	20.3	18.5	17.4	16.8	16.2	15.6	15.6
45°	26.6	23.1	20.3	18.5	17.4	16.2	15.0	14.5	14.5	14.5
47.5°	23.7	21.4	18.5	16.8	15.6	14.5	13.9	13.3	13.3	13.3
50°	22.0	19.7	17.4	15.6	14.5	13.3	12.7	12.2	12.2	12.2
52.5°	19.7	17.9	16.2	14.5	13.3	12.2	11.6	11.0	11.0	11.0
55°	17.9	16.2	14.5	13.3	12.2	11.0	10.4	9.8	9.8	9.8
57.5°	16.2	14.5	13.3	12.2	11.0	10.4	9.3	9.3	8.7	8.7
60°	14.5	12.7	11.6	11.0	9.8	9.3	8.1	7.5	7.5	7.5
62.5°	12.2	11.6	10.4	9.3	8.1	7.5	6.9	6.4	6.4	6.4
65°	10.4	9.8	8.7	7.5	6.9	6.4	5.8	5.2	5.2	5.2
67.5°	8.7	7.5	6.9	6.4	5.8	5.2	4.6	4.1	3.5	4.1
70°	6.4	5.8	5.2	4.6	4.1	3.5	2.9	2.9	2.3	2.3
72.5°	4.1	3.5	3.5	2.9	2.3	2.3	1.7	1.7	1.2	1.2
75°	2.3	2.3	1.7	1.7	1.2	1.2	0.6	0.6	0.6	0.6
77.5°	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)