

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 E3LCWW1WMH_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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70W2N902765DE010 E3LCWW1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

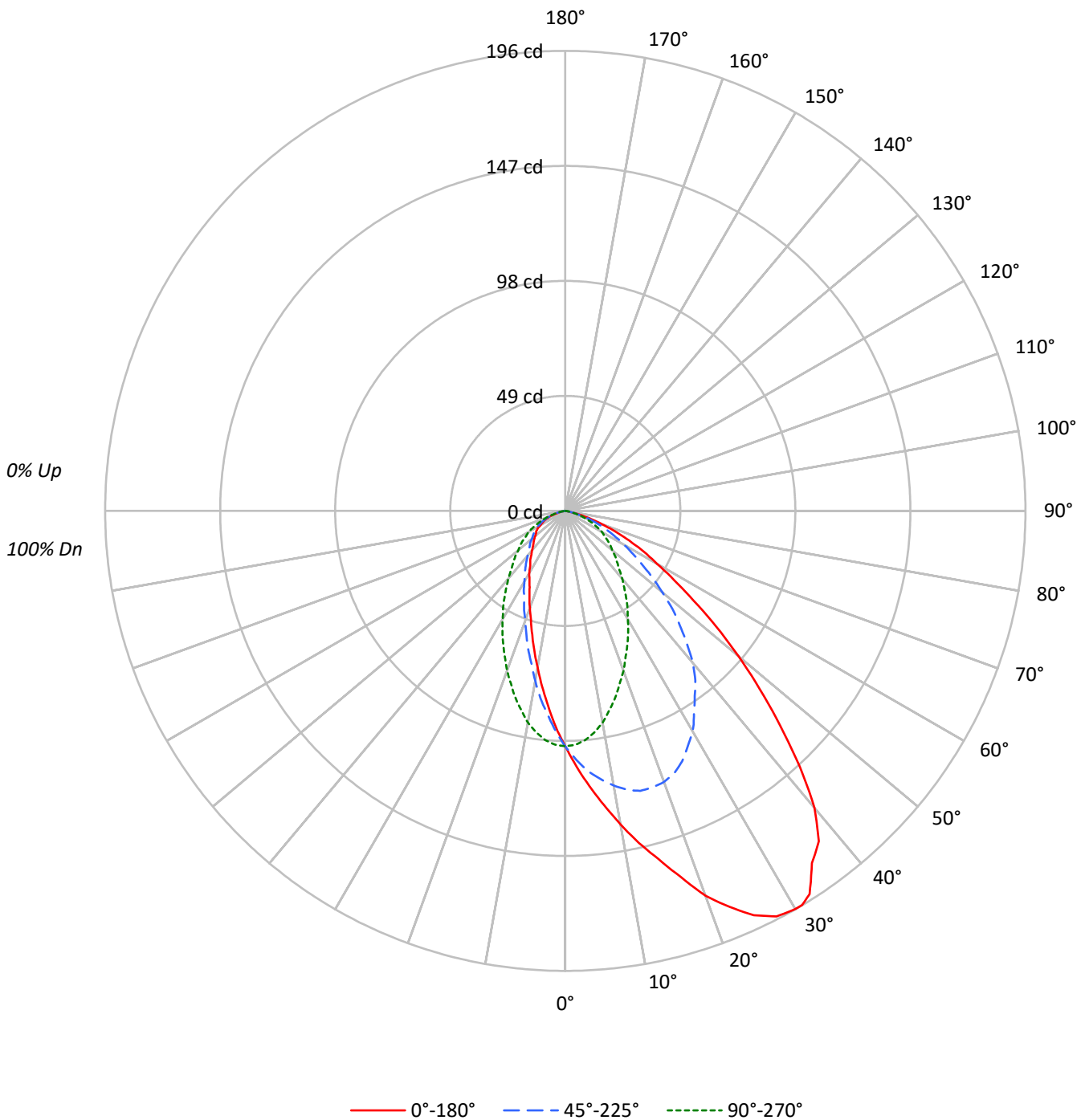
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
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	100	100	100	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88	
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76	
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66	
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58	
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51	
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46	
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41	
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37	
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34	34	
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21994	21994	21994	21994	21994
5°	25908	24499	21572	19128	18380
10°	30193	26452	20396	16388	15097
15°	34870	28036	18683	13825	12372
20°	40720	28679	16918	11621	10291
25°	45995	28477	15146	9968	8686
30°	49603	27447	13496	8811	7773
35°	49041	25752	12100	7924	6987
40°	47289	24217	10792	7128	6298
45°	40097	21398	9706	6636	5923
50°	32818	18387	8904	6311	5731
55°	25500	15292	8411	6193	5773
60°	19823	12718	7894	6096	5350
65°	15618	10533	6901	5707	5137
70°	10771	7822	5578	4809	4488
75°	5422	4406	3897	3474	2965
80°	758	1515	2147	1515	758
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 40097 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	4.6
10°-20°	26.1	12.8
20°-30°	38.5	18.9
30°-40°	43.2	21.2
40°-50°	37.9	18.6
50°-60°	27.2	13.3
60°-70°	16.1	7.9
70°-80°	5.4	2.6
80°-90°	0.3	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°	74.0	36.3
0°-40°	117.2	57.4
0°-60°	182.3	89.3
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°	100	100	100	100	100	
5°	118	111	98	87	84	12
15°	154	124	82	61	54	44
25°	190	118	63	41	36	87
35°	183	96	45	30	26	115
45°	129	69	31	21	19	100
55°	67	40	22	16	15	61
65°	30	20	13	11	10	30
75°	6	5	5	4	4	8
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	109.0	109.0	109.0	107.8	107.8	106.1	104.9	103.2	102.0	100.3	99.7
5°	117.7	117.7	116.5	115.3	113.6	111.3	108.4	105.5	102.0	99.1	98.0
7.5°	126.4	126.9	125.2	122.9	119.4	115.3	111.3	106.7	101.4	97.4	95.1
10°	135.6	135.6	133.3	129.8	124.6	118.8	112.4	106.1	99.7	93.9	91.6
12.5°	144.9	144.3	141.4	136.2	129.8	121.7	113.0	104.9	97.4	90.4	86.9
15°	153.6	153.6	149.5	143.2	133.9	123.5	113.0	102.6	93.9	85.8	82.3
17.5°	163.5	163.5	158.2	148.4	136.8	123.5	111.3	99.7	89.8	81.1	77.1
20°	174.5	173.9	166.4	153.0	137.9	122.9	109.0	96.2	85.2	75.9	72.5
22.5°	182.6	182.0	173.3	157.1	138.5	121.1	104.9	91.6	80.6	71.3	67.2
25°	190.1	189.0	179.1	158.8	137.4	117.7	100.9	86.4	75.9	66.7	62.6
27.5°	194.8	194.2	183.2	158.2	134.5	113.0	95.6	81.7	70.7	61.4	58.0
30°	195.9	196.5	183.2	155.3	129.8	108.4	90.4	76.5	65.5	57.4	53.3
31°	195.9	196.5	182.0	153.6	128.1	106.1	88.1	74.8	63.2	55.1	51.6
32.5°	193.6	192.4	180.3	150.7	124.0	102.0	85.2	71.9	60.3	52.2	49.3
35°	183.2	183.7	174.5	144.3	118.2	96.2	79.4	66.1	55.1	48.1	45.2
37.5°	177.4	177.4	160.6	135.6	111.9	91.0	72.5	59.7	50.4	44.1	41.2
40°	165.2	163.5	147.8	126.4	104.3	84.6	68.4	55.6	46.4	40.0	37.7
42.5°	147.8	146.1	133.9	118.2	94.5	76.5	64.9	49.3	41.7	36.5	34.2
45°	129.3	128.1	118.8	104.3	85.2	69.0	56.2	45.2	38.3	33.0	31.3
47.5°	112.4	110.7	103.8	92.7	77.1	62.0	48.7	40.6	34.2	30.1	29.0
50°	96.2	95.6	89.8	81.1	68.4	53.9	42.9	35.9	31.3	27.8	26.1
52.5°	81.1	80.0	77.1	70.1	59.7	46.9	37.7	31.9	27.8	25.5	24.3
55°	66.7	66.7	63.8	59.1	51.0	40.0	33.0	28.4	24.9	23.2	22.0
57.5°	55.1	55.1	52.7	49.8	42.3	34.2	29.0	24.9	22.6	20.9	19.7
60°	45.2	45.2	43.5	40.6	35.4	29.0	24.9	22.0	20.3	18.5	18.0
62.5°	37.7	37.1	35.9	33.0	29.0	24.3	21.4	19.1	17.4	16.2	15.6
65°	30.1	29.6	28.4	26.1	23.2	20.3	18.0	16.2	15.1	13.9	13.3
67.5°	23.2	23.2	22.0	20.3	18.0	16.2	14.5	13.3	12.2	11.6	11.0
70°	16.8	16.8	16.2	15.1	13.3	12.2	11.0	10.4	9.9	9.3	8.7
72.5°	11.6	11.6	11.0	10.4	9.3	8.7	7.5	7.5	7.0	7.0	6.4
75°	6.4	6.4	6.4	5.8	5.8	5.2	5.2	5.2	4.6	4.6	4.6
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	99.1	97.4	96.2	95.6	93.9	93.3	92.7	92.2	92.2	92.2
5°	96.8	93.9	91.0	89.3	86.9	85.8	84.6	84.0	83.5	83.5
7.5°	92.7	89.3	85.8	82.9	80.6	78.2	77.1	75.9	75.9	75.4
10°	88.7	84.0	80.0	75.9	73.6	70.7	69.6	68.4	67.8	67.8
12.5°	84.0	78.2	73.6	70.1	66.7	64.3	62.6	61.4	60.9	60.9
15°	78.8	73.0	67.8	64.3	60.9	58.0	56.2	55.1	54.5	54.5
17.5°	73.6	67.8	62.0	58.5	55.1	52.2	51.0	49.8	49.3	48.7
20°	69.0	62.0	57.4	52.7	49.8	47.5	45.8	44.6	44.1	44.1
22.5°	63.8	57.4	52.2	48.7	45.8	43.5	41.2	40.6	40.0	40.0
25°	58.5	52.7	48.1	44.6	41.2	39.4	37.7	36.5	36.5	35.9
27.5°	54.5	48.7	44.1	40.6	38.3	35.9	34.8	33.6	33.0	33.0
30°	49.8	44.6	40.6	37.7	34.8	33.0	31.9	30.7	30.7	30.7
31°	48.7	43.5	39.4	35.9	33.6	31.9	30.7	30.1	29.6	29.6
32.5°	45.8	41.2	37.1	34.2	31.9	30.1	29.0	28.4	28.4	27.8
35°	42.3	37.7	34.2	31.3	29.6	27.8	26.7	26.1	26.1	26.1
37.5°	38.8	34.8	31.3	29.0	27.2	25.5	24.9	23.8	23.8	23.8
40°	35.4	31.9	29.0	26.7	24.9	23.8	23.2	22.6	22.0	22.0
42.5°	32.5	29.0	26.7	24.9	23.2	22.0	21.4	20.9	20.9	20.3
45°	29.6	26.7	24.9	23.2	21.4	20.9	20.3	19.7	19.1	19.1
47.5°	27.2	24.9	22.6	21.4	20.3	19.1	18.5	18.5	18.0	18.0
50°	24.9	22.6	20.9	19.7	18.5	18.0	17.4	17.4	16.8	16.8
52.5°	23.2	20.9	19.7	18.5	17.4	16.8	16.2	16.2	15.6	15.6
55°	20.9	19.1	18.0	17.4	16.2	15.6	15.1	14.5	14.5	15.1
57.5°	19.1	18.0	16.8	16.2	15.1	14.5	13.9	13.9	13.3	13.9
60°	17.4	16.2	15.1	14.5	13.9	13.3	12.8	12.2	12.2	12.2
62.5°	15.6	14.5	13.9	12.8	12.2	12.2	11.6	11.6	11.6	11.0
65°	13.3	12.8	12.2	11.6	11.0	10.4	10.4	9.9	9.9	9.9
67.5°	11.0	10.4	9.9	9.9	9.3	8.7	8.7	8.7	8.7	8.1
70°	8.7	8.1	8.1	7.5	7.5	7.5	7.0	7.0	7.0	7.0
72.5°	6.4	6.4	5.8	5.8	5.8	5.8	5.2	5.2	5.2	5.2
75°	4.6	4.6	4.6	4.1	4.1	4.1	3.5	3.5	3.5	3.5
77.5°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	2.3	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)