

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 E3LCWW1WMH_2700K

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: P3ART05R70W2N902750DE010 E3LCWW1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

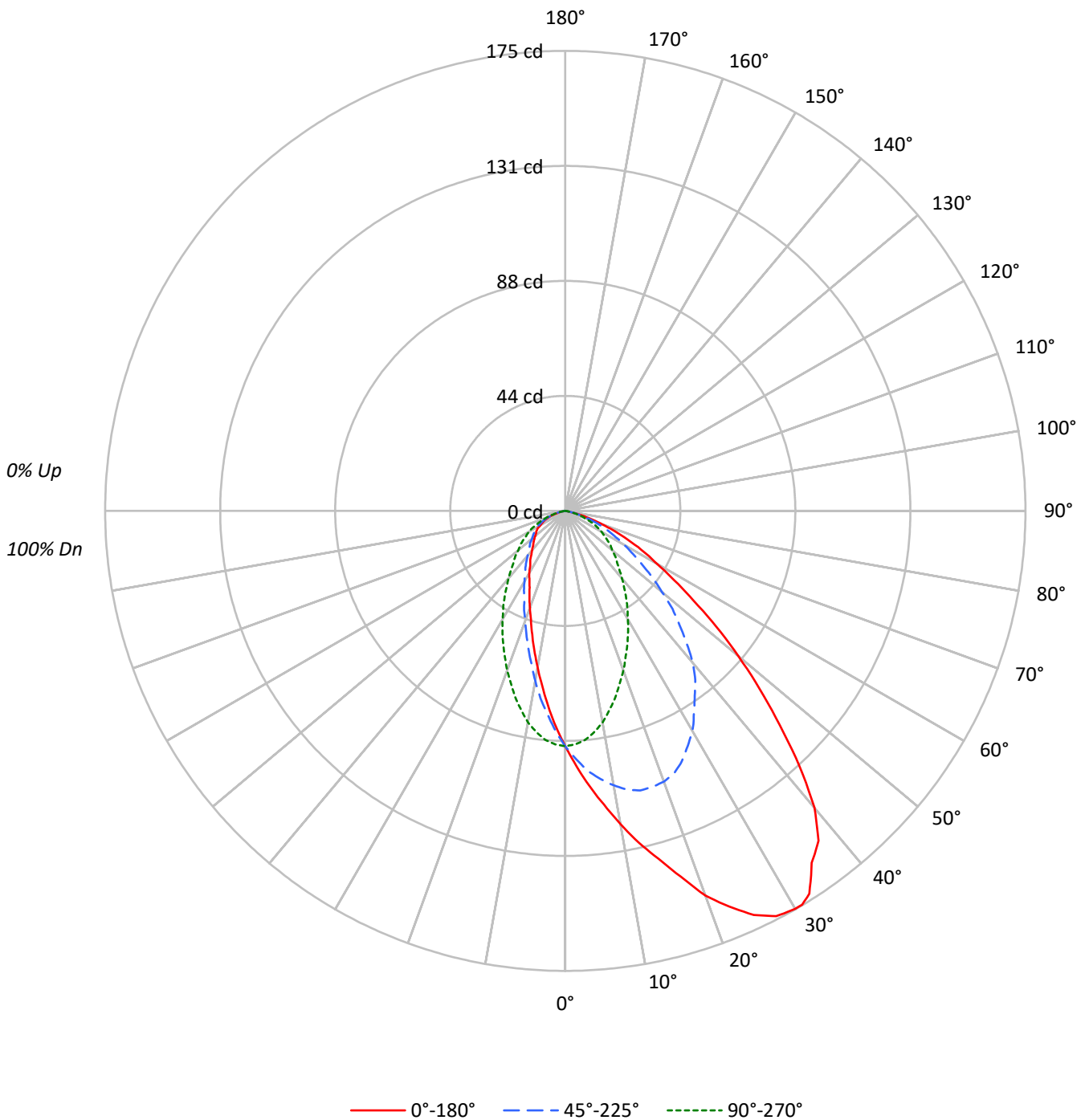
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 182.0 lumens
Efficiency: N/A
Efficacy: 30.8 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34		
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19626	19626	19626	19626	19626
5°	23112	21858	19238	17081	16399
10°	26942	23602	18192	14629	13471
15°	31101	24994	16663	12327	11033
20°	36333	25576	15075	10384	9171
25°	41035	25405	13501	8880	7767
30°	44260	24485	12052	7849	6938
35°	43741	22968	10788	7067	6237
40°	42193	21612	9618	6355	5639
45°	35756	19072	8652	5923	5303
50°	29270	16409	7949	5629	5117
55°	22747	13648	7531	5543	5123
60°	17674	11359	7017	5438	4780
65°	13957	9391	6174	5085	4566
70°	9617	6988	5001	4296	3975
75°	4829	3982	3474	3050	2626
80°	631	1263	2020	1263	631
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35756 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	4.6
10°-20°	23.3	12.8
20°-30°	34.3	18.9
30°-40°	38.5	21.2
40°-50°	33.9	18.6
50°-60°	24.2	13.3
60°-70°	14.4	7.9
70°-80°	4.8	2.6
80°-90°	0.2	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°	66.0	36.3
0°-40°	104.5	57.4
0°-60°	162.6	89.3
0°-90°	182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	90	90	90	90	90	
5°	105	99	87	78	74	10
15°	137	110	73	54	49	39
25°	170	105	56	37	32	78
35°	163	86	40	26	23	103
45°	115	62	28	19	17	89
55°	60	36	20	14	13	54
65°	27	18	12	10	9	27
75°	6	5	4	4	3	7
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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	97.2	97.2	97.2	96.2	96.2	94.6	93.6	92.0	91.0	89.5	88.9
5°	105.0	105.0	103.9	102.9	101.4	99.3	96.7	94.1	91.0	88.4	87.4
7.5°	112.7	113.2	111.7	109.6	106.5	102.9	99.3	95.1	90.5	86.9	84.8
10°	121.0	121.0	118.9	115.8	111.2	106.0	100.3	94.6	88.9	83.8	81.7
12.5°	129.3	128.8	126.2	121.5	115.8	108.6	100.8	93.6	86.9	80.7	77.6
15°	137.0	137.0	133.4	127.7	119.5	110.1	100.8	91.5	83.8	76.5	73.4
17.5°	145.8	145.8	141.2	132.4	122.0	110.1	99.3	88.9	80.2	72.4	68.8
20°	155.7	155.1	148.4	136.5	123.1	109.6	97.2	85.8	76.0	67.7	64.6
22.5°	162.9	162.4	154.6	140.1	123.6	108.1	93.6	81.7	71.9	63.6	60.0
25°	169.6	168.6	159.8	141.7	122.6	105.0	90.0	77.0	67.7	59.5	55.8
27.5°	173.8	173.2	163.4	141.2	120.0	100.8	85.3	72.9	63.1	54.8	51.7
30°	174.8	175.3	163.4	138.6	115.8	96.7	80.7	68.3	58.4	51.2	47.6
31°	174.8	175.3	162.4	137.0	114.3	94.6	78.6	66.7	56.4	49.1	46.0
32.5°	172.7	171.7	160.8	134.4	110.7	91.0	76.0	64.1	53.8	46.5	44.0
35°	163.4	163.9	155.7	128.8	105.5	85.8	70.8	59.0	49.1	42.9	40.3
37.5°	158.2	158.2	143.2	121.0	99.8	81.2	64.6	53.3	45.0	39.3	36.7
40°	147.4	145.8	131.9	112.7	93.1	75.5	61.0	49.6	41.4	35.7	33.6
42.5°	131.9	130.3	119.5	105.5	84.3	68.3	57.9	44.0	37.2	32.6	30.5
45°	115.3	114.3	106.0	93.1	76.0	61.5	50.2	40.3	34.1	29.5	27.9
47.5°	100.3	98.8	92.6	82.7	68.8	55.3	43.4	36.2	30.5	26.9	25.9
50°	85.8	85.3	80.2	72.4	61.0	48.1	38.3	32.1	27.9	24.8	23.3
52.5°	72.4	71.4	68.8	62.6	53.3	41.9	33.6	28.4	24.8	22.8	21.7
55°	59.5	59.5	56.9	52.7	45.5	35.7	29.5	25.3	22.2	20.7	19.7
57.5°	49.1	49.1	47.1	44.5	37.7	30.5	25.9	22.2	20.2	18.6	17.6
60°	40.3	40.3	38.8	36.2	31.5	25.9	22.2	19.7	18.1	16.5	16.0
62.5°	33.6	33.1	32.1	29.5	25.9	21.7	19.1	17.1	15.5	14.5	14.0
65°	26.9	26.4	25.3	23.3	20.7	18.1	16.0	14.5	13.4	12.4	11.9
67.5°	20.7	20.7	19.7	18.1	16.0	14.5	12.9	11.9	10.9	10.3	9.8
70°	15.0	15.0	14.5	13.4	11.9	10.9	9.8	9.3	8.8	8.3	7.8
72.5°	10.3	10.3	9.8	9.3	8.3	7.8	6.7	6.7	6.2	6.2	5.7
75°	5.7	5.7	5.7	5.2	5.2	4.7	4.7	4.7	4.1	4.1	4.1
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	88.4	86.9	85.8	85.3	83.8	83.3	82.7	82.2	82.2	82.2
5°	86.4	83.8	81.2	79.6	77.6	76.5	75.5	75.0	74.5	74.5
7.5°	82.7	79.6	76.5	73.9	71.9	69.8	68.8	67.7	67.7	67.2
10°	79.1	75.0	71.4	67.7	65.7	63.1	62.1	61.0	60.5	60.5
12.5°	75.0	69.8	65.7	62.6	59.5	57.4	55.8	54.8	54.3	54.3
15°	70.3	65.2	60.5	57.4	54.3	51.7	50.2	49.1	48.6	48.6
17.5°	65.7	60.5	55.3	52.2	49.1	46.5	45.5	44.5	44.0	43.4
20°	61.5	55.3	51.2	47.1	44.5	42.4	40.9	39.8	39.3	39.3
22.5°	56.9	51.2	46.5	43.4	40.9	38.8	36.7	36.2	35.7	35.7
25°	52.2	47.1	42.9	39.8	36.7	35.2	33.6	32.6	32.6	32.1
27.5°	48.6	43.4	39.3	36.2	34.1	32.1	31.0	30.0	29.5	29.5
30°	44.5	39.8	36.2	33.6	31.0	29.5	28.4	27.4	27.4	27.4
31°	43.4	38.8	35.2	32.1	30.0	28.4	27.4	26.9	26.4	26.4
32.5°	40.9	36.7	33.1	30.5	28.4	26.9	25.9	25.3	25.3	24.8
35°	37.7	33.6	30.5	27.9	26.4	24.8	23.8	23.3	23.3	23.3
37.5°	34.6	31.0	27.9	25.9	24.3	22.8	22.2	21.2	21.2	21.2
40°	31.5	28.4	25.9	23.8	22.2	21.2	20.7	20.2	19.7	19.7
42.5°	29.0	25.9	23.8	22.2	20.7	19.7	19.1	18.6	18.6	18.1
45°	26.4	23.8	22.2	20.7	19.1	18.6	18.1	17.6	17.1	17.1
47.5°	24.3	22.2	20.2	19.1	18.1	17.1	16.5	16.5	16.0	16.0
50°	22.2	20.2	18.6	17.6	16.5	16.0	15.5	15.5	15.0	15.0
52.5°	20.7	18.6	17.6	16.5	15.5	15.0	14.5	14.5	14.0	14.0
55°	18.6	17.1	16.0	15.5	14.5	14.0	13.4	12.9	12.9	13.4
57.5°	17.1	16.0	15.0	14.5	13.4	12.9	12.4	12.4	11.9	12.4
60°	15.5	14.5	13.4	12.9	12.4	11.9	11.4	10.9	10.9	10.9
62.5°	14.0	12.9	12.4	11.4	10.9	10.9	10.3	10.3	10.3	9.8
65°	11.9	11.4	10.9	10.3	9.8	9.3	9.3	8.8	8.8	8.8
67.5°	9.8	9.3	8.8	8.8	8.3	7.8	7.8	7.8	7.8	7.2
70°	7.8	7.2	7.2	6.7	6.7	6.7	6.2	6.2	6.2	6.2
72.5°	5.7	5.7	5.2	5.2	5.2	5.2	4.7	4.7	4.7	4.7
75°	4.1	4.1	4.1	3.6	3.6	3.6	3.1	3.1	3.1	3.1
77.5°	2.6	2.6	2.6	2.6	2.6	2.1	2.1	2.1	2.1	2.1
80°	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	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)