

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: P3ART17R70W2N902750DE010 E3CLSWW1MW_3000K

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: P3ART17R70W2N902750DE010 E3CLSWW1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

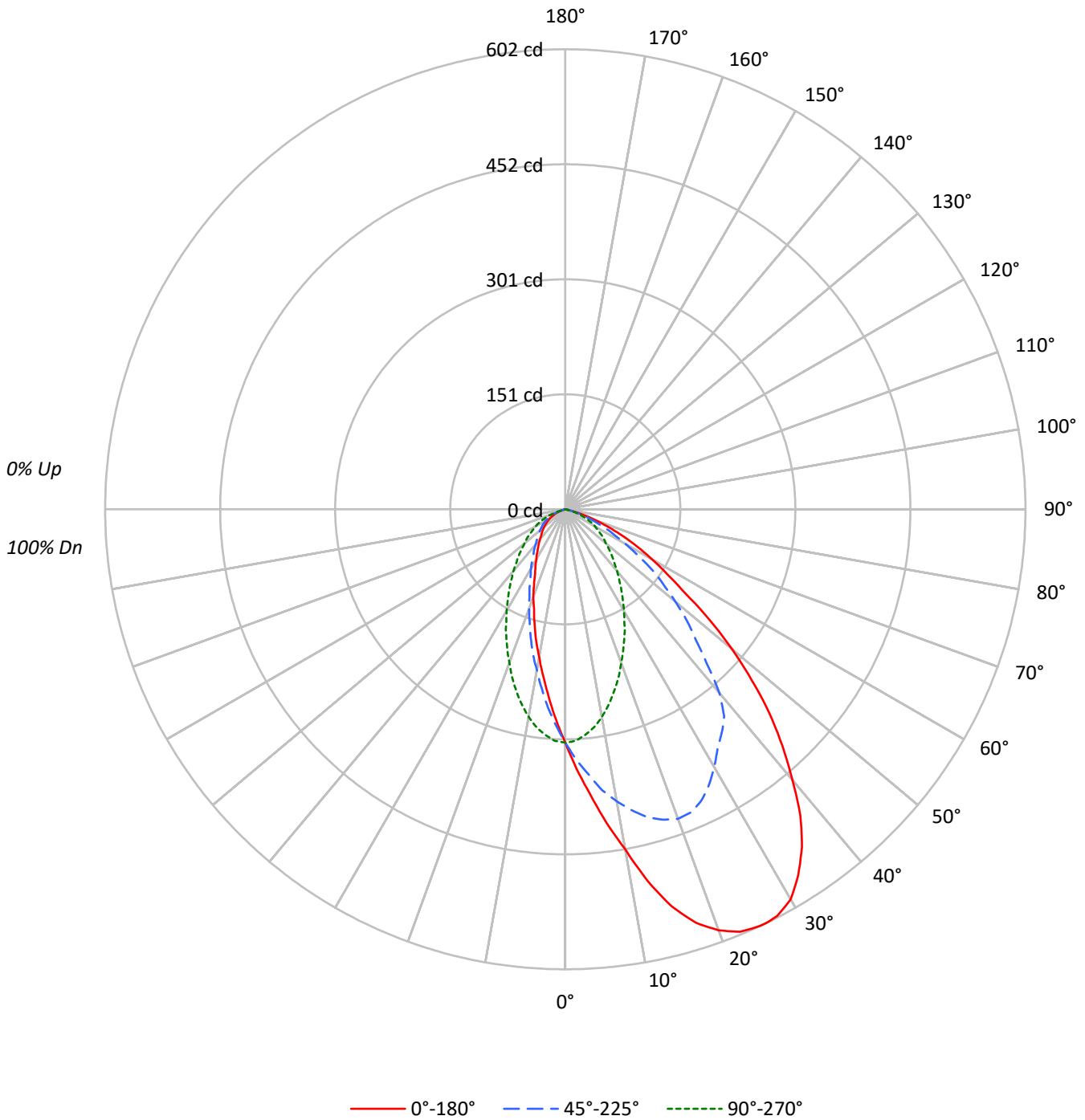
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 31.3 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): 19.4
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				
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78				
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68				
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60				
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53				
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43				
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39				
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	66924	66924	66924	66924	66924
5°	82368	76667	65287	57319	54281
10°	100599	86393	61433	47605	43776
15°	122135	94734	55982	39546	35233
20°	136815	100599	49891	32203	28562
25°	145605	101812	44228	26711	22525
30°	149339	98673	38867	22712	19218
35°	144500	95566	34158	19381	16624
40°	132305	89825	30114	17290	14799
45°	117128	74860	26731	16033	13366
50°	97054	64134	23539	14703	12349
55°	73173	53408	21753	13839	11202
60°	57495	40085	19648	12850	9824
65°	42962	29523	17019	10740	8042
70°	27633	18785	12182	7758	4424
75°	11692	10252	5846	2881	1440
80°	2147	2147	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	4.8
10°-20°	83.3	13.7
20°-30°	121.8	20.0
30°-40°	132.8	21.8
40°-50°	114.9	18.9
50°-60°	77.0	12.7
60°-70°	39.7	6.5
70°-80°	9.4	1.5
80°-90°	0.1	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°	234.1	38.5
0°-40°	366.9	60.3
0°-60°	558.8	91.9
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	305	305	305	305	305	
5°	374	348	297	260	247	38
15°	538	417	247	174	155	152
25°	602	421	183	110	93	276
35°	540	357	128	72	62	334
45°	378	241	86	52	43	289
55°	191	140	57	36	29	177
65°	83	57	33	21	16	84
75°	14	12	7	3	2	18
85°	0	0	0	0	0	0
90°	0	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°	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2
2.5°	339.7	338.0	338.0	334.5	331.1	327.6	322.5	317.3	312.1	307.0	303.5
5°	374.2	375.9	374.2	367.3	358.7	348.3	338.0	325.9	313.8	303.5	296.6
7.5°	413.9	413.9	408.7	400.1	388.0	370.8	353.5	332.8	313.8	296.6	288.0
10°	451.8	451.8	443.2	429.4	410.4	388.0	363.9	336.3	310.4	286.3	275.9
12.5°	498.4	496.6	486.3	463.9	436.3	403.5	370.8	336.3	305.2	275.9	262.1
15°	538.0	536.3	522.5	494.9	458.7	417.3	372.5	332.8	294.9	262.1	246.6
17.5°	567.3	563.9	548.4	519.1	477.7	425.9	374.2	325.9	282.8	246.6	231.1
20°	586.3	584.6	567.3	532.9	488.0	431.1	372.5	317.3	270.7	231.1	213.8
22.5°	598.4	594.9	577.7	539.8	488.0	429.4	365.6	305.2	255.2	215.6	198.3
25°	601.8	600.1	579.4	538.0	482.8	420.8	355.2	293.2	239.7	200.0	182.8
26°	601.8	600.1	579.4	536.3	479.4	415.6	350.1	288.0	234.5	193.1	177.6
27.5°	600.1	598.4	576.0	531.1	472.5	407.0	339.7	277.6	224.2	184.5	167.3
30°	589.8	586.3	563.9	519.1	457.0	389.7	322.5	262.1	208.7	169.0	153.5
32.5°	567.3	563.9	539.8	498.4	439.7	370.8	303.5	244.9	193.1	153.5	139.7
35°	539.8	536.3	512.2	472.5	415.6	357.0	282.8	225.9	175.9	141.4	127.6
37.5°	505.3	500.1	479.4	438.0	386.3	341.4	265.6	206.9	160.4	127.6	115.5
40°	462.2	460.4	441.5	403.5	351.8	313.8	255.2	206.9	146.6	115.5	105.2
42.5°	420.8	417.3	400.1	367.3	320.7	274.2	224.2	198.3	136.2	103.5	94.8
45°	377.7	374.2	358.7	331.1	288.0	241.4	241.4	170.7	117.3	94.8	86.2
47.5°	331.1	327.6	315.6	294.9	256.9	215.6	175.9	139.7	106.9	84.5	77.6
50°	284.5	286.3	275.9	255.2	225.9	188.0	151.8	117.3	91.4	75.9	69.0
52.5°	238.0	236.2	229.4	215.6	194.9	162.1	129.3	100.0	79.3	67.3	63.8
55°	191.4	193.1	189.7	181.1	163.8	139.7	108.6	86.2	70.7	60.4	56.9
57.5°	158.6	160.4	153.5	148.3	134.5	113.8	89.7	72.4	60.4	53.5	50.0
60°	131.1	132.8	127.6	120.7	110.4	91.4	72.4	60.4	53.5	48.3	44.8
62.5°	106.9	105.2	101.7	94.8	86.2	72.4	58.6	50.0	44.8	41.4	39.7
65°	82.8	82.8	79.3	74.2	67.3	56.9	46.6	41.4	37.9	34.5	32.8
67.5°	62.1	62.1	58.6	55.2	48.3	41.4	36.2	32.8	31.0	27.6	25.9
70°	43.1	43.1	41.4	39.7	34.5	29.3	27.6	24.1	22.4	20.7	19.0
72.5°	27.6	27.6	27.6	24.1	22.4	19.0	19.0	17.2	15.5	13.8	13.8
75°	13.8	15.5	13.8	13.8	12.1	12.1	10.3	10.3	8.6	8.6	6.9
77.5°	5.2	5.2	5.2	5.2	5.2	5.2	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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°	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2
2.5°	300.1	294.9	291.4	286.3	282.8	279.4	277.6	275.9	275.9	275.9
5°	291.4	282.8	274.2	265.6	260.4	255.2	250.0	248.3	246.6	246.6
7.5°	281.1	267.3	255.2	244.9	236.2	231.1	225.9	222.5	220.7	220.7
10°	267.3	250.0	236.2	222.5	213.8	206.9	203.5	198.3	198.3	196.6
12.5°	251.8	231.1	215.6	203.5	194.9	186.2	181.1	177.6	175.9	175.9
15°	234.5	213.8	196.6	182.8	174.2	165.5	160.4	156.9	155.2	155.2
17.5°	217.3	194.9	177.6	163.8	155.2	146.6	141.4	138.0	138.0	136.2
20°	200.0	177.6	160.4	146.6	138.0	131.1	125.9	122.4	120.7	122.4
22.5°	184.5	162.1	144.9	132.8	122.4	115.5	110.4	108.6	106.9	106.9
25°	167.3	146.6	131.1	119.0	110.4	103.5	98.3	96.6	94.8	93.1
26°	162.1	141.4	125.9	113.8	105.2	98.3	94.8	91.4	89.7	89.7
27.5°	155.2	132.8	119.0	106.9	98.3	93.1	87.9	86.2	84.5	84.5
30°	139.7	120.7	106.9	96.6	89.7	82.8	79.3	77.6	75.9	75.9
32.5°	127.6	108.6	96.6	87.9	81.0	75.9	72.4	69.0	69.0	69.0
35°	115.5	98.3	87.9	79.3	72.4	67.3	65.5	63.8	62.1	62.1
37.5°	105.2	89.7	79.3	72.4	67.3	62.1	58.6	56.9	56.9	56.9
40°	94.8	82.8	72.4	65.5	60.4	56.9	53.5	51.7	51.7	51.7
42.5°	86.2	74.2	67.3	60.4	55.2	51.7	50.0	48.3	46.6	46.6
45°	79.3	69.0	60.4	55.2	51.7	48.3	44.8	43.1	43.1	43.1
47.5°	70.7	63.8	55.2	50.0	46.6	43.1	41.4	39.7	39.7	39.7
50°	65.5	58.6	51.7	46.6	43.1	39.7	37.9	36.2	36.2	36.2
52.5°	58.6	53.5	48.3	43.1	39.7	36.2	34.5	32.8	32.8	32.8
55°	53.5	48.3	43.1	39.7	36.2	32.8	31.0	29.3	29.3	29.3
57.5°	48.3	43.1	39.7	36.2	32.8	31.0	27.6	27.6	25.9	25.9
60°	43.1	37.9	34.5	32.8	29.3	27.6	24.1	22.4	22.4	22.4
62.5°	36.2	34.5	31.0	27.6	24.1	22.4	20.7	19.0	19.0	19.0
65°	31.0	29.3	25.9	22.4	20.7	19.0	17.2	15.5	15.5	15.5
67.5°	25.9	22.4	20.7	19.0	17.2	15.5	13.8	12.1	10.3	12.1
70°	19.0	17.2	15.5	13.8	12.1	10.3	8.6	8.6	6.9	6.9
72.5°	12.1	10.3	10.3	8.6	6.9	6.9	5.2	5.2	3.4	3.4
75°	6.9	6.9	5.2	5.2	3.4	3.4	1.7	1.7	1.7	1.7
77.5°	3.4	1.7	1.7	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)