

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 E3LCWW1WMH\_3000K

Issue Date: 5/8/2026

**Test Information**

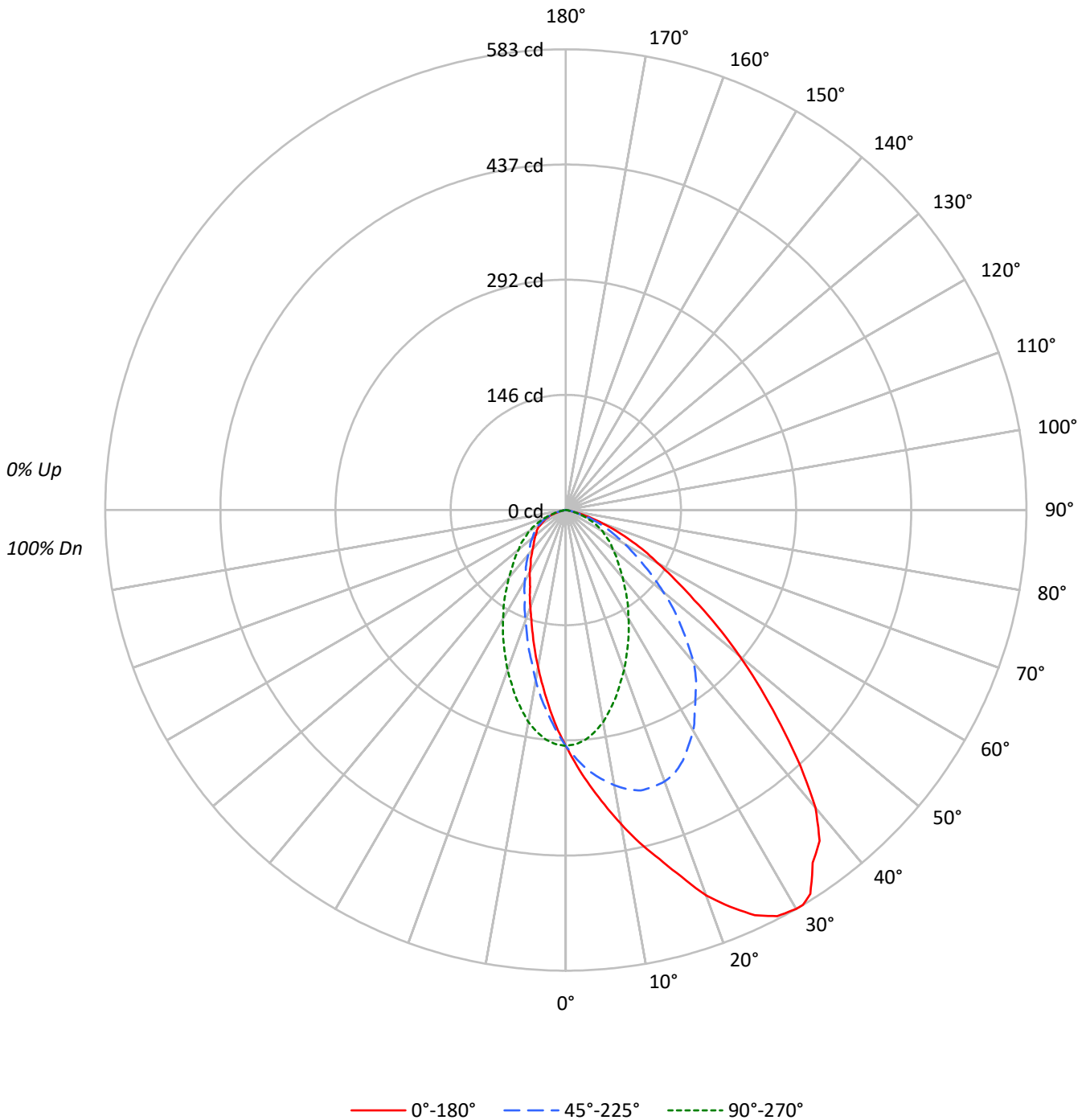
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902750DE010 E3LCWW1WMH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 31.3 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): 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	0
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°	65433	65433	65433	65433	65433
5°	77063	72881	64164	56945	54677
10°	89867	78734	60676	48763	44933
15°	103746	83406	55596	41113	36799
20°	121134	85314	50311	34606	30593
25°	136871	84707	45075	29639	25864
30°	147592	81658	40183	26207	23143
35°	145892	76640	36005	23557	20773
40°	140692	72078	32089	21240	18749
45°	119268	63635	28871	19785	17645
50°	97668	54719	26472	18831	17057
55°	75811	45494	25041	18465	17127
60°	58987	37804	23463	18156	15876
65°	46542	31339	20599	17019	15203
70°	32057	23209	16605	14361	13271
75°	16097	13132	11692	10252	8727
80°	2147	4293	6566	4293	2147
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 119268 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.9	4.6
10°-20°	77.7	12.8
20°-30°	114.6	18.9
30°-40°	128.4	21.2
40°-50°	112.9	18.6
50°-60°	80.8	13.3
60°-70°	47.9	7.9
70°-80°	16.0	2.6
80°-90°	0.8	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°	220.2	36.3
0°-40°	348.6	57.4
0°-60°	542.3	89.3
0°-90°	607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	298	298	298	298	298	
5°	350	331	292	259	248	35
15°	457	367	245	181	162	132
25°	566	350	186	122	107	260
35°	545	286	134	88	78	342
45°	385	205	93	64	57	298
55°	198	119	66	48	45	181
65°	90	60	40	33	29	90
75°	19	16	14	12	10	23
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°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4
2.5°	324.2	324.2	324.2	320.8	320.8	315.6	312.2	307.0	303.5	298.4	296.6
5°	350.1	350.1	346.7	343.2	338.0	331.1	322.5	313.9	303.5	294.9	291.5
7.5°	376.0	377.7	372.5	365.6	355.3	343.2	331.1	317.3	301.8	289.7	282.8
10°	403.6	403.6	396.7	386.3	370.8	353.6	334.6	315.6	296.6	279.4	272.5
12.5°	431.2	429.4	420.8	405.3	386.3	362.2	336.3	312.2	289.7	269.0	258.7
15°	457.0	457.0	445.0	426.0	398.4	367.4	336.3	305.3	279.4	255.2	244.9
17.5°	486.4	486.4	470.8	441.5	407.0	367.4	331.1	296.6	267.3	241.5	229.4
20°	519.1	517.4	495.0	455.3	410.5	365.6	324.2	286.3	253.5	225.9	215.6
22.5°	543.3	541.5	515.7	467.4	412.2	360.5	312.2	272.5	239.7	212.1	200.1
25°	565.7	562.2	532.9	472.6	408.7	350.1	300.1	257.0	225.9	198.3	186.3
27.5°	579.5	577.8	545.0	470.8	400.1	336.3	284.6	243.2	210.4	182.8	172.5
30°	582.9	584.7	545.0	462.2	386.3	322.5	269.0	227.7	194.9	170.7	158.7
31°	582.9	584.7	541.5	457.0	381.1	315.6	262.1	222.5	188.0	163.8	153.5
32.5°	576.0	572.6	536.4	448.4	369.1	303.5	253.5	213.9	179.4	155.2	146.6
35°	545.0	546.7	519.1	429.4	351.8	286.3	236.3	196.6	163.8	143.1	134.5
37.5°	527.7	527.7	477.7	403.6	332.9	270.8	215.6	177.6	150.0	131.1	122.5
40°	491.5	486.4	439.8	376.0	310.4	251.8	203.5	165.6	138.0	119.0	112.1
42.5°	439.8	434.6	398.4	351.8	281.1	227.7	193.2	146.6	124.2	108.7	101.8
45°	384.6	381.1	353.6	310.4	253.5	205.2	167.3	134.5	113.8	98.3	93.1
47.5°	334.6	329.4	308.7	275.9	229.4	184.5	144.9	120.7	101.8	89.7	86.2
50°	286.3	284.6	267.3	241.5	203.5	160.4	127.6	106.9	93.1	82.8	77.6
52.5°	241.5	238.0	229.4	208.7	177.6	139.7	112.1	94.9	82.8	75.9	72.4
55°	198.3	198.3	189.7	175.9	151.8	119.0	98.3	84.5	74.2	69.0	65.5
57.5°	163.8	163.8	156.9	148.3	125.9	101.8	86.2	74.2	67.3	62.1	58.6
60°	134.5	134.5	129.3	120.7	105.2	86.2	74.2	65.5	60.4	55.2	53.5
62.5°	112.1	110.4	106.9	98.3	86.2	72.4	63.8	56.9	51.7	48.3	46.6
65°	89.7	88.0	84.5	77.6	69.0	60.4	53.5	48.3	44.8	41.4	39.7
67.5°	69.0	69.0	65.5	60.4	53.5	48.3	43.1	39.7	36.2	34.5	32.8
70°	50.0	50.0	48.3	44.8	39.7	36.2	32.8	31.0	29.3	27.6	25.9
72.5°	34.5	34.5	32.8	31.0	27.6	25.9	22.4	22.4	20.7	20.7	19.0
75°	19.0	19.0	19.0	17.2	17.2	15.5	15.5	15.5	13.8	13.8	13.8
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4	5.2	5.2	5.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4
2.5°	294.9	289.7	286.3	284.6	279.4	277.7	275.9	274.2	274.2	274.2
5°	288.0	279.4	270.8	265.6	258.7	255.2	251.8	250.1	248.4	248.4
7.5°	275.9	265.6	255.2	246.6	239.7	232.8	229.4	225.9	225.9	224.2
10°	263.9	250.1	238.0	225.9	219.0	210.4	207.0	203.5	201.8	201.8
12.5°	250.1	232.8	219.0	208.7	198.3	191.4	186.3	182.8	181.1	181.1
15°	234.6	217.3	201.8	191.4	181.1	172.5	167.3	163.8	162.1	162.1
17.5°	219.0	201.8	184.5	174.2	163.8	155.2	151.8	148.3	146.6	144.9
20°	205.2	184.5	170.7	156.9	148.3	141.4	136.2	132.8	131.1	131.1
22.5°	189.7	170.7	155.2	144.9	136.2	129.3	122.5	120.7	119.0	119.0
25°	174.2	156.9	143.1	132.8	122.5	117.3	112.1	108.7	108.7	106.9
27.5°	162.1	144.9	131.1	120.7	113.8	106.9	103.5	100.0	98.3	98.3
30°	148.3	132.8	120.7	112.1	103.5	98.3	94.9	91.4	91.4	91.4
31°	144.9	129.3	117.3	106.9	100.0	94.9	91.4	89.7	88.0	88.0
32.5°	136.2	122.5	110.4	101.8	94.9	89.7	86.2	84.5	84.5	82.8
35°	125.9	112.1	101.8	93.1	88.0	82.8	79.3	77.6	77.6	77.6
37.5°	115.6	103.5	93.1	86.2	81.1	75.9	74.2	70.7	70.7	70.7
40°	105.2	94.9	86.2	79.3	74.2	70.7	69.0	67.3	65.5	65.5
42.5°	96.6	86.2	79.3	74.2	69.0	65.5	63.8	62.1	62.1	60.4
45°	88.0	79.3	74.2	69.0	63.8	62.1	60.4	58.6	56.9	56.9
47.5°	81.1	74.2	67.3	63.8	60.4	56.9	55.2	55.2	53.5	53.5
50°	74.2	67.3	62.1	58.6	55.2	53.5	51.7	51.7	50.0	50.0
52.5°	69.0	62.1	58.6	55.2	51.7	50.0	48.3	48.3	46.6	46.6
55°	62.1	56.9	53.5	51.7	48.3	46.6	44.8	43.1	43.1	44.8
57.5°	56.9	53.5	50.0	48.3	44.8	43.1	41.4	41.4	39.7	41.4
60°	51.7	48.3	44.8	43.1	41.4	39.7	37.9	36.2	36.2	36.2
62.5°	46.6	43.1	41.4	37.9	36.2	36.2	34.5	34.5	34.5	32.8
65°	39.7	37.9	36.2	34.5	32.8	31.0	31.0	29.3	29.3	29.3
67.5°	32.8	31.0	29.3	29.3	27.6	25.9	25.9	25.9	25.9	24.1
70°	25.9	24.1	24.1	22.4	22.4	22.4	20.7	20.7	20.7	20.7
72.5°	19.0	19.0	17.2	17.2	17.2	17.2	15.5	15.5	15.5	15.5
75°	13.8	13.8	13.8	12.1	12.1	12.1	10.3	10.3	10.3	10.3
77.5°	8.6	8.6	8.6	8.6	8.6	6.9	6.9	6.9	6.9	6.9
80°	5.2	5.2	5.2	5.2	3.4	3.4	3.4	3.4	3.4	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	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)