

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: P3ART17R709830DE010 E3LCWW1H

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: P3ART17R709830DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

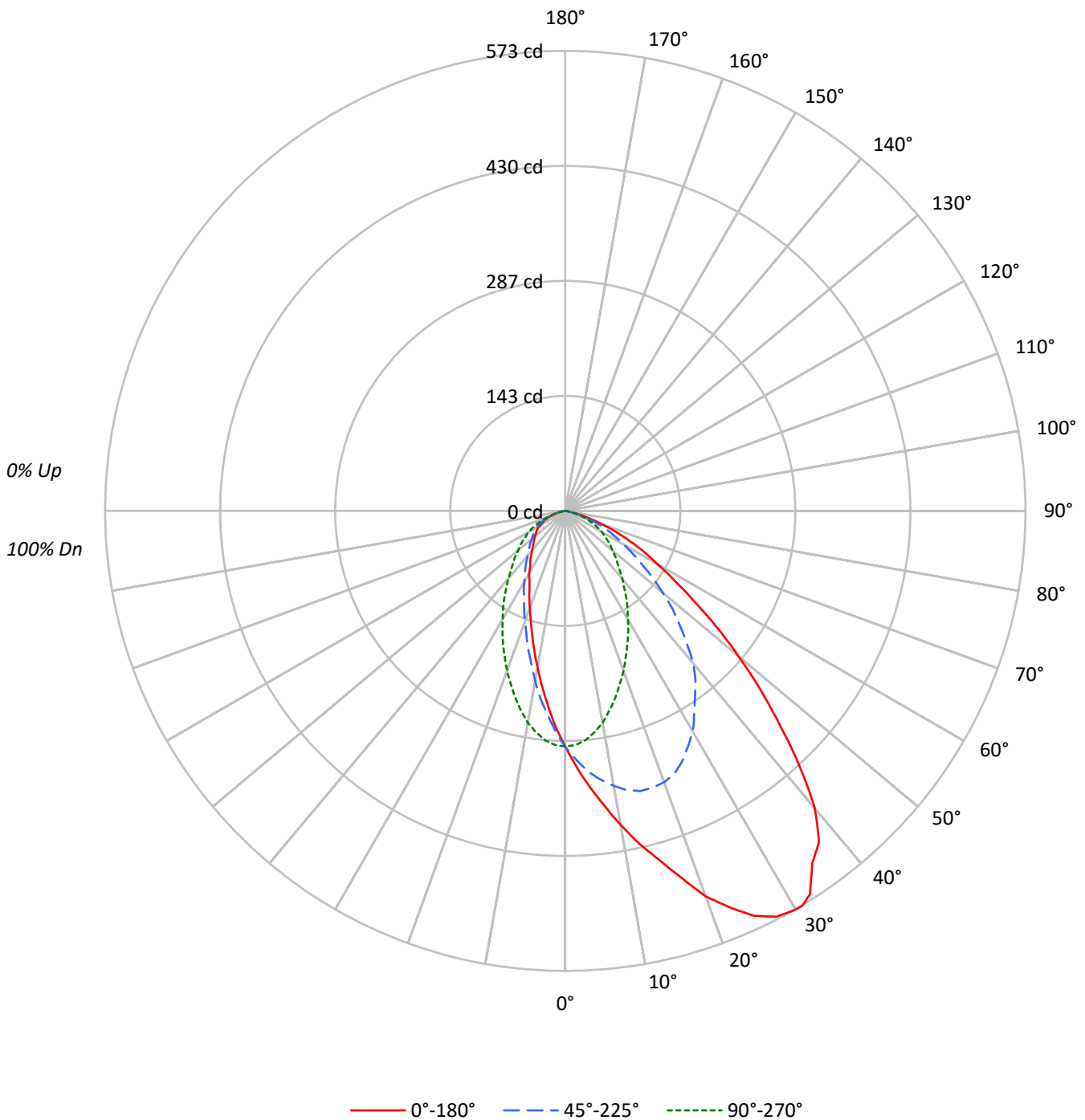
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 597.0 lumens
Efficiency: N/A
Efficacy: 29.3 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): 20.4
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
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°	64359	64359	64359	64359	64359
5°	75787	71693	63108	55998	53775
10°	88375	77420	59674	47962	44199
15°	102044	82021	54688	40432	36186
20°	119150	83914	49471	34046	30079
25°	134621	83303	44325	29131	25453
30°	145162	80316	39525	25776	22763
35°	143483	75382	35416	23155	20425
40°	138374	70904	31573	20868	18463
45°	117315	62611	28406	19475	17366
50°	96065	53832	26029	18524	16784
55°	74588	44730	24659	18159	16860
60°	58022	37190	23068	17849	15613
65°	45764	30820	20236	16707	14943
70°	31544	22824	16285	14169	13079
75°	15843	12963	11522	10082	8642
80°	2147	4293	6440	4293	2147
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	4.6
10°-20°	76.4	12.8
20°-30°	112.7	18.9
30°-40°	126.3	21.2
40°-50°	111.1	18.6
50°-60°	79.5	13.3
60°-70°	47.1	7.9
70°-80°	15.8	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°	216.6	36.3
0°-40°	342.9	57.4
0°-60°	533.4	89.3
0°-90°	597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	597.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	294	294	294	294	294	
5°	344	326	287	254	244	34
15°	450	361	241	178	159	130
25°	556	344	183	120	105	256
35°	536	282	132	86	76	337
45°	378	202	92	63	56	293
55°	195	117	64	48	44	178
65°	88	59	39	32	29	88
75°	19	15	14	12	10	23
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°	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5
2.5°	318.9	318.9	318.9	315.5	315.5	310.4	307.0	301.9	298.5	293.5	291.8
5°	344.3	344.3	340.9	337.6	332.5	325.7	317.2	308.7	298.5	290.1	286.7
7.5°	369.8	371.5	366.4	359.6	349.4	337.6	325.7	312.1	296.8	285.0	278.2
10°	396.9	396.9	390.1	380.0	364.7	347.7	329.1	310.4	291.8	274.8	268.0
12.5°	424.1	422.4	413.9	398.6	380.0	356.2	330.8	307.0	285.0	264.6	254.4
15°	449.5	449.5	437.6	419.0	391.8	361.3	330.8	300.2	274.8	251.0	240.9
17.5°	478.3	478.3	463.1	434.2	400.3	361.3	325.7	291.8	262.9	237.5	225.6
20°	510.6	508.9	486.8	447.8	403.7	359.6	318.9	281.6	249.3	222.2	212.0
22.5°	534.3	532.6	507.2	459.7	405.4	354.5	307.0	268.0	235.8	208.6	196.8
25°	556.4	553.0	524.1	464.8	402.0	344.3	295.1	252.7	222.2	195.1	183.2
27.5°	569.9	568.2	536.0	463.1	393.5	330.8	279.9	239.2	206.9	179.8	169.6
30°	573.3	575.0	536.0	454.6	380.0	317.2	264.6	223.9	191.7	167.9	156.1
31°	573.3	575.0	532.6	449.5	374.9	310.4	257.8	218.8	184.9	161.1	151.0
32.5°	566.5	563.2	527.5	441.0	363.0	298.5	249.3	210.3	176.4	152.7	144.2
35°	536.0	537.7	510.6	422.4	346.0	281.6	232.4	193.4	161.1	140.8	132.3
37.5°	519.1	519.1	469.9	396.9	327.4	266.3	212.0	174.7	147.6	128.9	120.4
40°	483.4	478.3	432.5	369.8	305.3	247.7	200.2	162.8	135.7	117.0	110.3
42.5°	432.5	427.5	391.8	346.0	276.5	223.9	190.0	144.2	122.1	106.9	100.1
45°	378.3	374.9	347.7	305.3	249.3	201.9	164.5	132.3	112.0	96.7	91.6
47.5°	329.1	324.0	303.6	271.4	225.6	181.5	142.5	118.7	100.1	88.2	84.8
50°	281.6	279.9	262.9	237.5	200.2	157.8	125.5	105.2	91.6	81.4	76.3
52.5°	237.5	234.1	225.6	205.2	174.7	137.4	110.3	93.3	81.4	74.6	71.2
55°	195.1	195.1	186.6	173.0	149.3	117.0	96.7	83.1	72.9	67.8	64.5
57.5°	161.1	161.1	154.4	145.9	123.8	100.1	84.8	72.9	66.2	61.1	57.7
60°	132.3	132.3	127.2	118.7	103.5	84.8	72.9	64.5	59.4	54.3	52.6
62.5°	110.3	108.6	105.2	96.7	84.8	71.2	62.8	56.0	50.9	47.5	45.8
65°	88.2	86.5	83.1	76.3	67.8	59.4	52.6	47.5	44.1	40.7	39.0
67.5°	67.8	67.8	64.5	59.4	52.6	47.5	42.4	39.0	35.6	33.9	32.2
70°	49.2	49.2	47.5	44.1	39.0	35.6	32.2	30.5	28.8	27.1	25.4
72.5°	33.9	33.9	32.2	30.5	27.1	25.4	22.1	22.1	20.4	20.4	18.7
75°	18.7	18.7	18.7	17.0	17.0	15.3	15.3	15.3	13.6	13.6	13.6
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4	5.1	5.1	5.1
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°	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5
2.5°	290.1	285.0	281.6	279.9	274.8	273.1	271.4	269.7	269.7	269.7
5°	283.3	274.8	266.3	261.2	254.4	251.0	247.7	246.0	244.3	244.3
7.5°	271.4	261.2	251.0	242.6	235.8	229.0	225.6	222.2	222.2	220.5
10°	259.5	246.0	234.1	222.2	215.4	206.9	203.5	200.2	198.5	198.5
12.5°	246.0	229.0	215.4	205.2	195.1	188.3	183.2	179.8	178.1	178.1
15°	230.7	213.7	198.5	188.3	178.1	169.6	164.5	161.1	159.4	159.4
17.5°	215.4	198.5	181.5	171.3	161.1	152.7	149.3	145.9	144.2	142.5
20°	201.9	181.5	167.9	154.4	145.9	139.1	134.0	130.6	128.9	128.9
22.5°	186.6	167.9	152.7	142.5	134.0	127.2	120.4	118.7	117.0	117.0
25°	171.3	154.4	140.8	130.6	120.4	115.3	110.3	106.9	106.9	105.2
27.5°	159.4	142.5	128.9	118.7	112.0	105.2	101.8	98.4	96.7	96.7
30°	145.9	130.6	118.7	110.3	101.8	96.7	93.3	89.9	89.9	89.9
31°	142.5	127.2	115.3	105.2	98.4	93.3	89.9	88.2	86.5	86.5
32.5°	134.0	120.4	108.6	100.1	93.3	88.2	84.8	83.1	83.1	81.4
35°	123.8	110.3	100.1	91.6	86.5	81.4	78.0	76.3	76.3	76.3
37.5°	113.6	101.8	91.6	84.8	79.7	74.6	72.9	69.5	69.5	69.5
40°	103.5	93.3	84.8	78.0	72.9	69.5	67.8	66.2	64.5	64.5
42.5°	95.0	84.8	78.0	72.9	67.8	64.5	62.8	61.1	61.1	59.4
45°	86.5	78.0	72.9	67.8	62.8	61.1	59.4	57.7	56.0	56.0
47.5°	79.7	72.9	66.2	62.8	59.4	56.0	54.3	54.3	52.6	52.6
50°	72.9	66.2	61.1	57.7	54.3	52.6	50.9	50.9	49.2	49.2
52.5°	67.8	61.1	57.7	54.3	50.9	49.2	47.5	47.5	45.8	45.8
55°	61.1	56.0	52.6	50.9	47.5	45.8	44.1	42.4	42.4	44.1
57.5°	56.0	52.6	49.2	47.5	44.1	42.4	40.7	40.7	39.0	40.7
60°	50.9	47.5	44.1	42.4	40.7	39.0	37.3	35.6	35.6	35.6
62.5°	45.8	42.4	40.7	37.3	35.6	35.6	33.9	33.9	33.9	32.2
65°	39.0	37.3	35.6	33.9	32.2	30.5	30.5	28.8	28.8	28.8
67.5°	32.2	30.5	28.8	28.8	27.1	25.4	25.4	25.4	25.4	23.7
70°	25.4	23.7	23.7	22.1	22.1	22.1	20.4	20.4	20.4	20.4
72.5°	18.7	18.7	17.0	17.0	17.0	17.0	15.3	15.3	15.3	15.3
75°	13.6	13.6	13.6	11.9	11.9	11.9	10.2	10.2	10.2	10.2
77.5°	8.5	8.5	8.5	8.5	8.5	6.8	6.8	6.8	6.8	6.8
80°	5.1	5.1	5.1	5.1	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)