

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: P3ART13R709830DE010 E3LCWW1WMH

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: P3ART13R709830DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

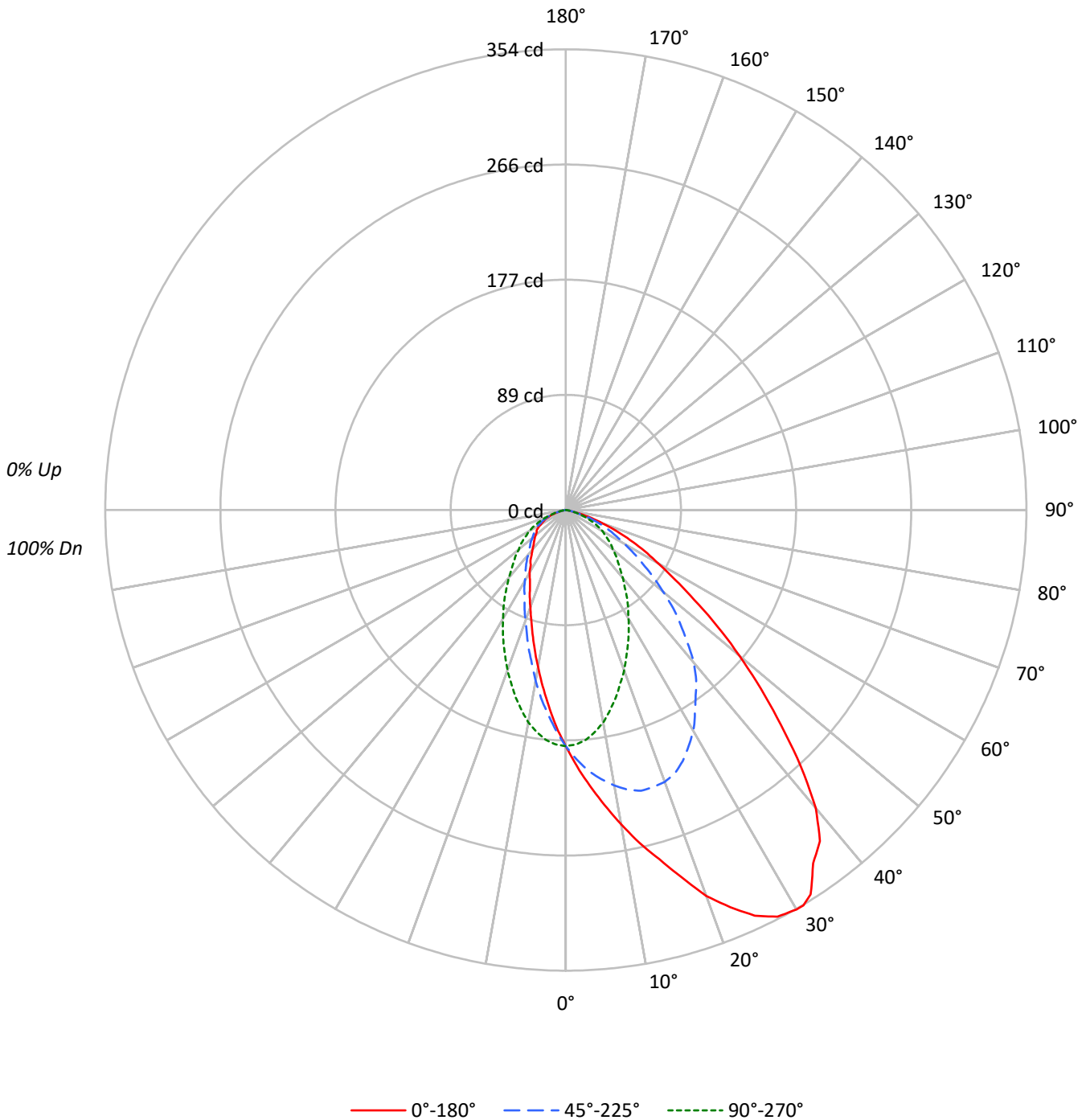
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 369.0 lumens
Efficiency: N/A
Efficacy: 25.4 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): 14.5
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°	39778	39778	39778	39778	39778
5°	46841	44310	39005	34625	33238
10°	54619	47850	36895	29659	27321
15°	63065	50693	33803	24994	22384
20°	73646	51875	30593	21048	18598
25°	83206	51487	27389	18001	15727
30°	89735	49653	24434	15927	14078
35°	88686	46578	21897	14322	12635
40°	85532	43825	19494	12910	11393
45°	72504	38702	17552	12032	10730
50°	59358	33261	16102	11428	10371
55°	46106	27641	15216	11240	10437
60°	35874	22981	14253	11052	9648
65°	28278	19042	12505	10325	9236
70°	19490	14105	10066	8719	8078
75°	9743	7964	7117	6185	5338
80°	1263	2652	3915	2652	1263
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 72504 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	4.6
10°-20°	47.3	12.8
20°-30°	69.6	18.9
30°-40°	78.1	21.2
40°-50°	68.6	18.6
50°-60°	49.1	13.3
60°-70°	29.1	7.9
70°-80°	9.7	2.6
80°-90°	0.5	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°	133.9	36.3
0°-40°	211.9	57.4
0°-60°	329.7	89.4
0°-90°	369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	181	181	181	181	181	
5°	213	201	177	157	151	21
15°	278	223	149	110	99	80
25°	344	213	113	74	65	158
35°	331	174	82	54	47	208
45°	234	125	57	39	35	181
55°	121	72	40	29	27	110
65°	54	37	24	20	18	54
75°	12	9	8	7	6	14
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°	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4
2.5°	197.1	197.1	197.1	195.0	195.0	191.9	189.8	186.6	184.5	181.4	180.3
5°	212.8	212.8	210.7	208.6	205.5	201.3	196.1	190.8	184.5	179.3	177.2
7.5°	228.6	229.6	226.5	222.3	216.0	208.6	201.3	192.9	183.5	176.1	171.9
10°	245.3	245.3	241.1	234.8	225.4	214.9	203.4	191.9	180.3	169.8	165.7
12.5°	262.1	261.1	255.8	246.4	234.8	220.2	204.4	189.8	176.1	163.6	157.3
15°	277.8	277.8	270.5	259.0	242.2	223.3	204.4	185.6	169.8	155.2	148.9
17.5°	295.7	295.7	286.2	268.4	247.4	223.3	201.3	180.3	162.5	146.8	139.4
20°	315.6	314.5	300.9	276.8	249.5	222.3	197.1	174.0	154.1	137.3	131.1
22.5°	330.3	329.2	313.5	284.1	250.6	219.1	189.8	165.7	145.7	129.0	121.6
25°	343.9	341.8	324.0	287.3	248.5	212.8	182.4	156.2	137.3	120.6	113.2
27.5°	352.3	351.2	331.3	286.2	243.2	204.4	173.0	147.8	127.9	111.1	104.8
30°	354.4	355.4	331.3	281.0	234.8	196.1	163.6	138.4	118.5	103.8	96.5
31°	354.4	355.4	329.2	277.8	231.7	191.9	159.4	135.2	114.3	99.6	93.3
32.5°	350.2	348.1	326.1	272.6	224.4	184.5	154.1	130.0	109.0	94.4	89.1
35°	331.3	332.4	315.6	261.1	213.9	174.0	143.6	119.5	99.6	87.0	81.8
37.5°	320.8	320.8	290.4	245.3	202.3	164.6	131.1	108.0	91.2	79.7	74.4
40°	298.8	295.7	267.4	228.6	188.7	153.1	123.7	100.6	83.9	72.3	68.1
42.5°	267.4	264.2	242.2	213.9	170.9	138.4	117.4	89.1	75.5	66.1	61.9
45°	233.8	231.7	214.9	188.7	154.1	124.8	101.7	81.8	69.2	59.8	56.6
47.5°	203.4	200.3	187.7	167.7	139.4	112.2	88.1	73.4	61.9	54.5	52.4
50°	174.0	173.0	162.5	146.8	123.7	97.5	77.6	65.0	56.6	50.3	47.2
52.5°	146.8	144.7	139.4	126.9	108.0	84.9	68.1	57.7	50.3	46.1	44.0
55°	120.6	120.6	115.3	106.9	92.3	72.3	59.8	51.4	45.1	41.9	39.8
57.5°	99.6	99.6	95.4	90.2	76.5	61.9	52.4	45.1	40.9	37.7	35.6
60°	81.8	81.8	78.6	73.4	64.0	52.4	45.1	39.8	36.7	33.5	32.5
62.5°	68.1	67.1	65.0	59.8	52.4	44.0	38.8	34.6	31.5	29.4	28.3
65°	54.5	53.5	51.4	47.2	41.9	36.7	32.5	29.4	27.3	25.2	24.1
67.5°	41.9	41.9	39.8	36.7	32.5	29.4	26.2	24.1	22.0	21.0	19.9
70°	30.4	30.4	29.4	27.3	24.1	22.0	19.9	18.9	17.8	16.8	15.7
72.5°	21.0	21.0	19.9	18.9	16.8	15.7	13.6	13.6	12.6	12.6	11.5
75°	11.5	11.5	11.5	10.5	10.5	9.4	9.4	9.4	8.4	8.4	8.4
77.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
80°	1.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1	3.1	3.1	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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°	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4
2.5°	179.3	176.1	174.0	173.0	169.8	168.8	167.7	166.7	166.7	166.7
5°	175.1	169.8	164.6	161.5	157.3	155.2	153.1	152.0	151.0	151.0
7.5°	167.7	161.5	155.2	149.9	145.7	141.5	139.4	137.3	137.3	136.3
10°	160.4	152.0	144.7	137.3	133.2	127.9	125.8	123.7	122.7	122.7
12.5°	152.0	141.5	133.2	126.9	120.6	116.4	113.2	111.1	110.1	110.1
15°	142.6	132.1	122.7	116.4	110.1	104.8	101.7	99.6	98.6	98.6
17.5°	133.2	122.7	112.2	105.9	99.6	94.4	92.3	90.2	89.1	88.1
20°	124.8	112.2	103.8	95.4	90.2	86.0	82.8	80.7	79.7	79.7
22.5°	115.3	103.8	94.4	88.1	82.8	78.6	74.4	73.4	72.3	72.3
25°	105.9	95.4	87.0	80.7	74.4	71.3	68.1	66.1	66.1	65.0
27.5°	98.6	88.1	79.7	73.4	69.2	65.0	62.9	60.8	59.8	59.8
30°	90.2	80.7	73.4	68.1	62.9	59.8	57.7	55.6	55.6	55.6
31°	88.1	78.6	71.3	65.0	60.8	57.7	55.6	54.5	53.5	53.5
32.5°	82.8	74.4	67.1	61.9	57.7	54.5	52.4	51.4	51.4	50.3
35°	76.5	68.1	61.9	56.6	53.5	50.3	48.2	47.2	47.2	47.2
37.5°	70.2	62.9	56.6	52.4	49.3	46.1	45.1	43.0	43.0	43.0
40°	64.0	57.7	52.4	48.2	45.1	43.0	41.9	40.9	39.8	39.8
42.5°	58.7	52.4	48.2	45.1	41.9	39.8	38.8	37.7	37.7	36.7
45°	53.5	48.2	45.1	41.9	38.8	37.7	36.7	35.6	34.6	34.6
47.5°	49.3	45.1	40.9	38.8	36.7	34.6	33.5	33.5	32.5	32.5
50°	45.1	40.9	37.7	35.6	33.5	32.5	31.5	31.5	30.4	30.4
52.5°	41.9	37.7	35.6	33.5	31.5	30.4	29.4	29.4	28.3	28.3
55°	37.7	34.6	32.5	31.5	29.4	28.3	27.3	26.2	26.2	27.3
57.5°	34.6	32.5	30.4	29.4	27.3	26.2	25.2	25.2	24.1	25.2
60°	31.5	29.4	27.3	26.2	25.2	24.1	23.1	22.0	22.0	22.0
62.5°	28.3	26.2	25.2	23.1	22.0	22.0	21.0	21.0	21.0	19.9
65°	24.1	23.1	22.0	21.0	19.9	18.9	18.9	17.8	17.8	17.8
67.5°	19.9	18.9	17.8	17.8	16.8	15.7	15.7	15.7	15.7	14.7
70°	15.7	14.7	14.7	13.6	13.6	13.6	12.6	12.6	12.6	12.6
72.5°	11.5	11.5	10.5	10.5	10.5	10.5	9.4	9.4	9.4	9.4
75°	8.4	8.4	8.4	7.3	7.3	7.3	6.3	6.3	6.3	6.3
77.5°	5.2	5.2	5.2	5.2	5.2	4.2	4.2	4.2	4.2	4.2
80°	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1	2.1	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	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)