

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: P3ART09R709840DE010 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: P3ART09R709840DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

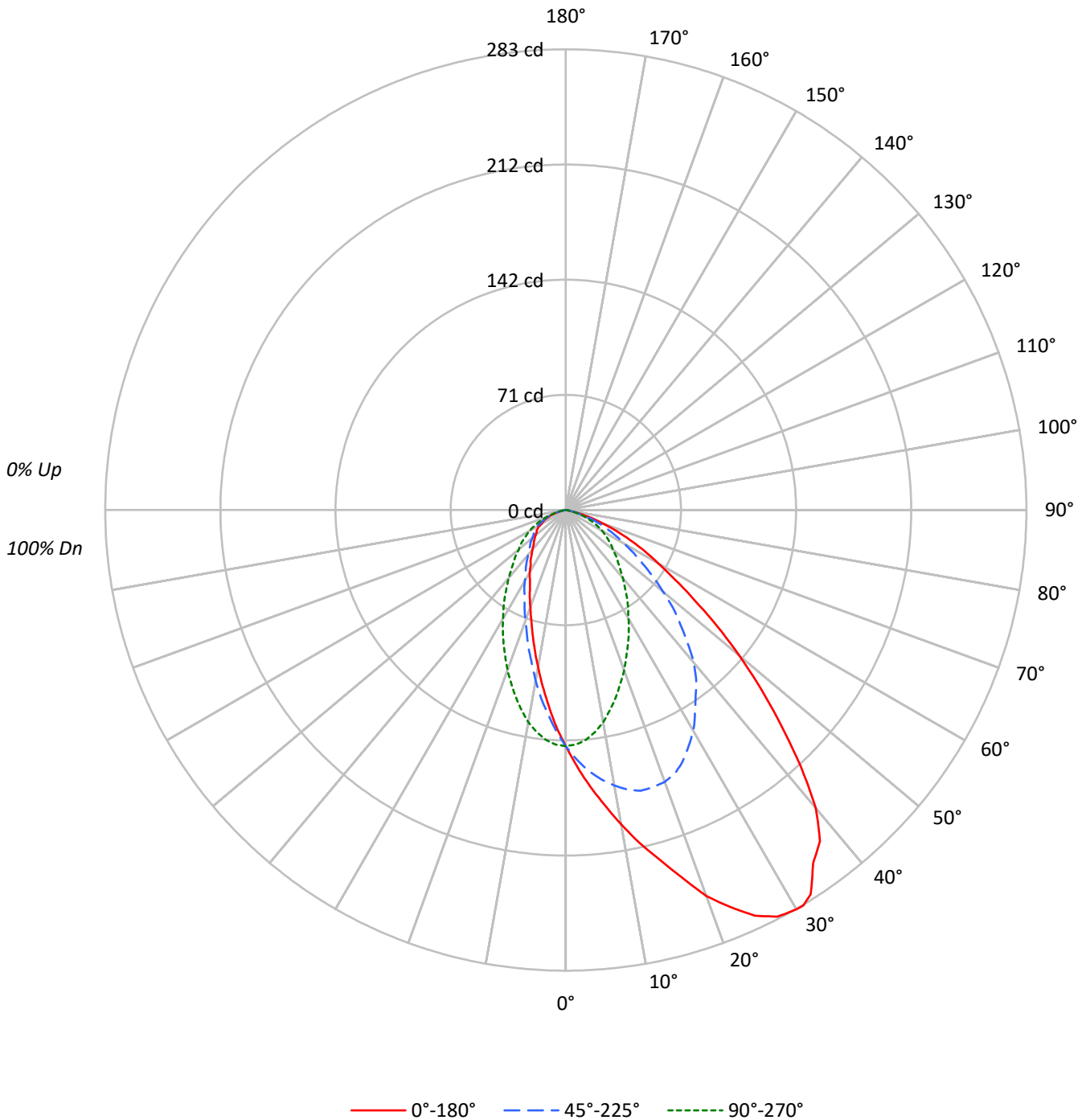
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 295.0 lumens
Efficiency: N/A
Efficacy: 26.8 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): 11
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°	31796	31796	31796	31796	31796
5°	37464	35417	31191	27669	26568
10°	43664	38254	29481	23691	21843
15°	50420	40522	27015	19977	17889
20°	58875	41467	24455	16825	14865
25°	66512	41180	21896	14396	12581
30°	71733	39677	19522	12736	11242
35°	70912	37236	17507	11430	10092
40°	68385	35037	15601	10305	9131
45°	57960	30918	14048	9613	8590
50°	47453	26609	12861	9143	8290
55°	36854	22097	12196	8984	8334
60°	28682	18376	11403	8815	7719
65°	22622	15203	10014	8250	7368
70°	15580	11284	8078	6988	6475
75°	7795	6354	5676	4999	4236
80°	1010	2147	3157	2147	1010
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57960 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	4.6
10°-20°	37.8	12.8
20°-30°	55.7	18.9
30°-40°	62.4	21.2
40°-50°	54.9	18.6
50°-60°	39.3	13.3
60°-70°	23.3	7.9
70°-80°	7.8	2.6
80°-90°	0.4	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°	107.0	36.3
0°-40°	169.4	57.4
0°-60°	263.6	89.3
0°-90°	295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	295.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	145	145	145	145	145	
5°	170	161	142	126	121	17
15°	222	178	119	88	79	64
25°	275	170	90	60	52	126
35°	265	139	65	43	38	166
45°	187	100	45	31	28	145
55°	96	58	32	24	22	88
65°	44	29	19	16	14	44
75°	9	8	7	6	5	11
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°	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
2.5°	157.6	157.6	157.6	155.9	155.9	153.4	151.7	149.2	147.5	145.0	144.2
5°	170.2	170.2	168.5	166.8	164.3	160.9	156.7	152.5	147.5	143.3	141.7
7.5°	182.7	183.6	181.0	177.7	172.7	166.8	160.9	154.2	146.7	140.8	137.5
10°	196.1	196.1	192.8	187.8	180.2	171.8	162.6	153.4	144.2	135.8	132.4
12.5°	209.5	208.7	204.5	197.0	187.8	176.0	163.4	151.7	140.8	130.8	125.7
15°	222.1	222.1	216.3	207.0	193.6	178.5	163.4	148.4	135.8	124.1	119.0
17.5°	236.4	236.4	228.8	214.6	197.8	178.5	160.9	144.2	129.9	117.3	111.5
20°	252.3	251.5	240.6	221.3	199.5	177.7	157.6	139.1	123.2	109.8	104.8
22.5°	264.0	263.2	250.6	227.1	200.3	175.2	151.7	132.4	116.5	103.1	97.2
25°	274.9	273.2	259.0	229.7	198.6	170.2	145.8	124.9	109.8	96.4	90.5
27.5°	281.6	280.8	264.9	228.8	194.5	163.4	138.3	118.2	102.3	88.8	83.8
30°	283.3	284.1	264.9	224.6	187.8	156.7	130.8	110.6	94.7	83.0	77.1
31°	283.3	284.1	263.2	222.1	185.2	153.4	127.4	108.1	91.4	79.6	74.6
32.5°	280.0	278.3	260.7	217.9	179.4	147.5	123.2	103.9	87.2	75.4	71.2
35°	264.9	265.7	252.3	208.7	171.0	139.1	114.8	95.6	79.6	69.6	65.4
37.5°	256.5	256.5	232.2	196.1	161.8	131.6	104.8	86.3	72.9	63.7	59.5
40°	238.9	236.4	213.7	182.7	150.9	122.4	98.9	80.5	67.1	57.8	54.5
42.5°	213.7	211.2	193.6	171.0	136.6	110.6	93.9	71.2	60.3	52.8	49.5
45°	186.9	185.2	171.8	150.9	123.2	99.7	81.3	65.4	55.3	47.8	45.3
47.5°	162.6	160.1	150.0	134.1	111.5	89.7	70.4	58.7	49.5	43.6	41.9
50°	139.1	138.3	129.9	117.3	98.9	78.0	62.0	52.0	45.3	40.2	37.7
52.5°	117.3	115.7	111.5	101.4	86.3	67.9	54.5	46.1	40.2	36.9	35.2
55°	96.4	96.4	92.2	85.5	73.8	57.8	47.8	41.1	36.0	33.5	31.9
57.5°	79.6	79.6	76.3	72.1	61.2	49.5	41.9	36.0	32.7	30.2	28.5
60°	65.4	65.4	62.9	58.7	51.1	41.9	36.0	31.9	29.3	26.8	26.0
62.5°	54.5	53.6	52.0	47.8	41.9	35.2	31.0	27.7	25.1	23.5	22.6
65°	43.6	42.7	41.1	37.7	33.5	29.3	26.0	23.5	21.8	20.1	19.3
67.5°	33.5	33.5	31.9	29.3	26.0	23.5	21.0	19.3	17.6	16.8	15.9
70°	24.3	24.3	23.5	21.8	19.3	17.6	15.9	15.1	14.2	13.4	12.6
72.5°	16.8	16.8	15.9	15.1	13.4	12.6	10.9	10.9	10.1	10.1	9.2
75°	9.2	9.2	9.2	8.4	8.4	7.5	7.5	7.5	6.7	6.7	6.7
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
2.5°	143.3	140.8	139.1	138.3	135.8	134.9	134.1	133.3	133.3	133.3
5°	140.0	135.8	131.6	129.1	125.7	124.1	122.4	121.5	120.7	120.7
7.5°	134.1	129.1	124.1	119.9	116.5	113.2	111.5	109.8	109.8	109.0
10°	128.2	121.5	115.7	109.8	106.4	102.3	100.6	98.9	98.1	98.1
12.5°	121.5	113.2	106.4	101.4	96.4	93.0	90.5	88.8	88.0	88.0
15°	114.0	105.6	98.1	93.0	88.0	83.8	81.3	79.6	78.8	78.8
17.5°	106.4	98.1	89.7	84.7	79.6	75.4	73.8	72.1	71.2	70.4
20°	99.7	89.7	83.0	76.3	72.1	68.7	66.2	64.5	63.7	63.7
22.5°	92.2	83.0	75.4	70.4	66.2	62.9	59.5	58.7	57.8	57.8
25°	84.7	76.3	69.6	64.5	59.5	57.0	54.5	52.8	52.8	52.0
27.5°	78.8	70.4	63.7	58.7	55.3	52.0	50.3	48.6	47.8	47.8
30°	72.1	64.5	58.7	54.5	50.3	47.8	46.1	44.4	44.4	44.4
31°	70.4	62.9	57.0	52.0	48.6	46.1	44.4	43.6	42.7	42.7
32.5°	66.2	59.5	53.6	49.5	46.1	43.6	41.9	41.1	41.1	40.2
35°	61.2	54.5	49.5	45.3	42.7	40.2	38.6	37.7	37.7	37.7
37.5°	56.2	50.3	45.3	41.9	39.4	36.9	36.0	34.4	34.4	34.4
40°	51.1	46.1	41.9	38.6	36.0	34.4	33.5	32.7	31.9	31.9
42.5°	46.9	41.9	38.6	36.0	33.5	31.9	31.0	30.2	30.2	29.3
45°	42.7	38.6	36.0	33.5	31.0	30.2	29.3	28.5	27.7	27.7
47.5°	39.4	36.0	32.7	31.0	29.3	27.7	26.8	26.8	26.0	26.0
50°	36.0	32.7	30.2	28.5	26.8	26.0	25.1	25.1	24.3	24.3
52.5°	33.5	30.2	28.5	26.8	25.1	24.3	23.5	23.5	22.6	22.6
55°	30.2	27.7	26.0	25.1	23.5	22.6	21.8	21.0	21.0	21.8
57.5°	27.7	26.0	24.3	23.5	21.8	21.0	20.1	20.1	19.3	20.1
60°	25.1	23.5	21.8	21.0	20.1	19.3	18.4	17.6	17.6	17.6
62.5°	22.6	21.0	20.1	18.4	17.6	17.6	16.8	16.8	16.8	15.9
65°	19.3	18.4	17.6	16.8	15.9	15.1	15.1	14.2	14.2	14.2
67.5°	15.9	15.1	14.2	14.2	13.4	12.6	12.6	12.6	12.6	11.7
70°	12.6	11.7	11.7	10.9	10.9	10.9	10.1	10.1	10.1	10.1
72.5°	9.2	9.2	8.4	8.4	8.4	8.4	7.5	7.5	7.5	7.5
75°	6.7	6.7	6.7	5.9	5.9	5.9	5.0	5.0	5.0	5.0
77.5°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	3.4
80°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)