

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: P1446400

Luminaire Tested: P3ART05R709727DE010 E3LCWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446400
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: P3ART05R709727DE010 E3LCWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

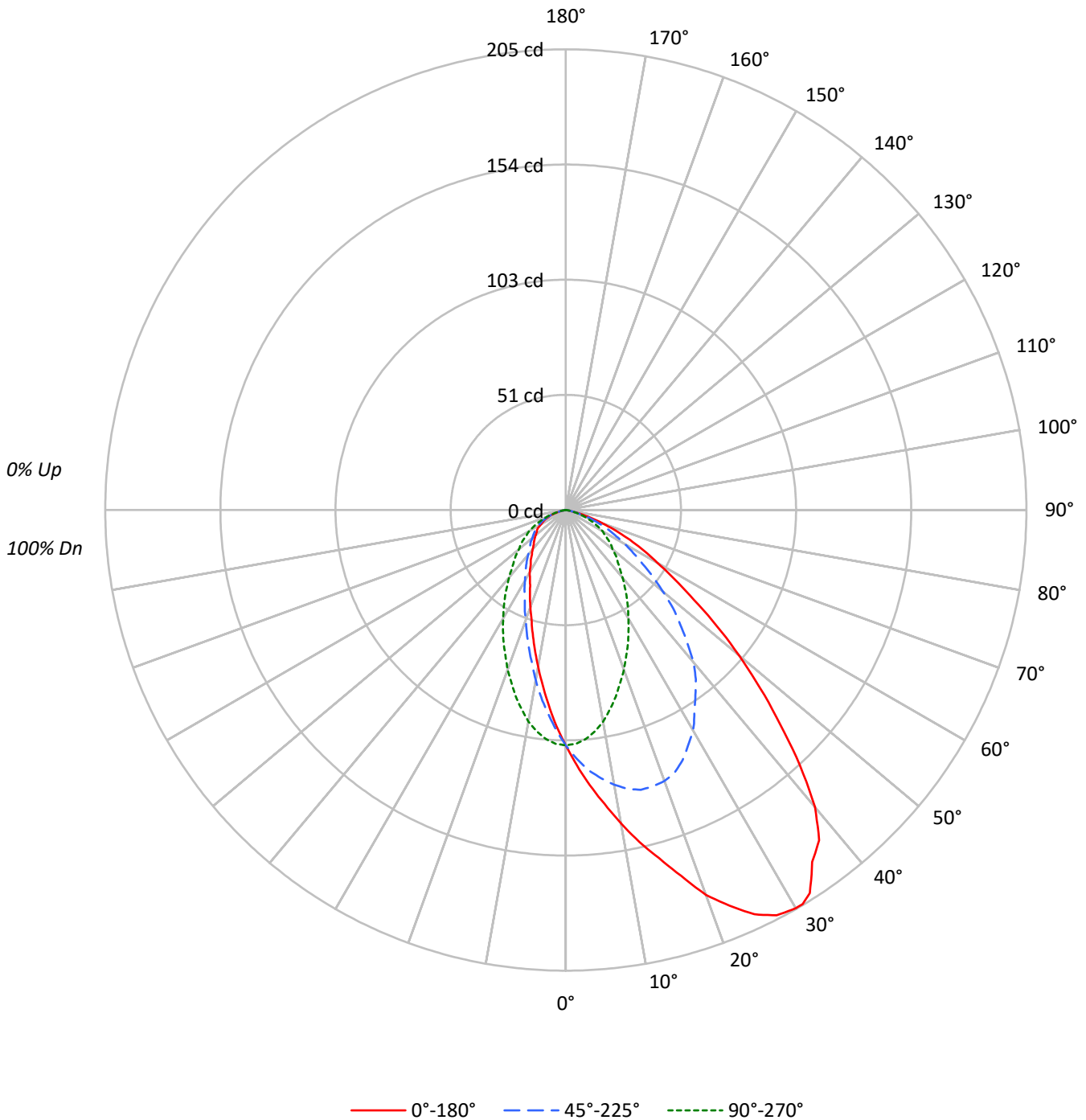
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 29.6 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): 7.2
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	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22959	22959	22959	22959	22959
5°	27053	25578	22518	19987	19172
10°	31529	27633	21287	17123	15765
15°	36413	29262	19501	14416	12917
20°	42517	29939	17642	12134	10734
25°	48027	29736	15823	10404	9073
30°	51805	28663	14103	9191	8128
35°	51183	26903	12635	8272	7281
40°	49378	25305	11250	7443	6584
45°	41865	22328	10141	6946	6202
50°	34285	19206	9279	6618	6004
55°	26608	15980	8793	6461	6002
60°	20700	13288	8245	6359	5570
65°	16344	11000	7212	5967	5344
70°	11284	8142	5834	5065	4680
75°	5676	4575	4067	3558	3050
80°	758	1515	2273	1515	758
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 41865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	4.6
10°-20°	27.3	12.8
20°-30°	40.2	18.9
30°-40°	45.1	21.2
40°-50°	39.6	18.6
50°-60°	28.4	13.3
60°-70°	16.8	7.9
70°-80°	5.6	2.6
80°-90°	0.3	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°	77.3	36.3
0°-40°	122.3	57.4
0°-60°	190.3	89.3
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	105	105	105	105	105	
5°	123	116	102	91	87	12
15°	160	129	86	64	57	46
25°	198	123	65	43	38	91
35°	191	100	47	31	27	120
45°	135	72	33	22	20	104
55°	70	42	23	17	16	64
65°	32	21	14	12	10	31
75°	7	5	5	4	4	8
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°	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
2.5°	113.8	113.8	113.8	112.6	112.6	110.8	109.5	107.7	106.5	104.7	104.1
5°	122.9	122.9	121.6	120.4	118.6	116.2	113.2	110.1	106.5	103.5	102.3
7.5°	131.9	132.5	130.7	128.3	124.7	120.4	116.2	111.4	105.9	101.7	99.3
10°	141.6	141.6	139.2	135.6	130.1	124.1	117.4	110.8	104.1	98.0	95.6
12.5°	151.3	150.7	147.7	142.2	135.6	127.1	118.0	109.5	101.7	94.4	90.8
15°	160.4	160.4	156.1	149.5	139.8	128.9	118.0	107.1	98.0	89.6	85.9
17.5°	170.7	170.7	165.2	154.9	142.8	128.9	116.2	104.1	93.8	84.7	80.5
20°	182.2	181.6	173.7	159.8	144.0	128.3	113.8	100.5	89.0	79.3	75.6
22.5°	190.6	190.0	181.0	164.0	144.6	126.5	109.5	95.6	84.1	74.4	70.2
25°	198.5	197.3	187.0	165.8	143.4	122.9	105.3	90.2	79.3	69.6	65.4
27.5°	203.3	202.7	191.2	165.2	140.4	118.0	99.9	85.3	73.8	64.2	60.5
30°	204.6	205.2	191.2	162.2	135.6	113.2	94.4	79.9	68.4	59.9	55.7
31°	204.6	205.2	190.0	160.4	133.7	110.8	92.0	78.1	66.0	57.5	53.9
32.5°	202.1	200.9	188.2	157.4	129.5	106.5	89.0	75.0	62.9	54.5	51.4
35°	191.2	191.8	182.2	150.7	123.5	100.5	82.9	69.0	57.5	50.2	47.2
37.5°	185.2	185.2	167.6	141.6	116.8	95.0	75.6	62.3	52.7	46.0	43.0
40°	172.5	170.7	154.3	131.9	108.9	88.4	71.4	58.1	48.4	41.8	39.3
42.5°	154.3	152.5	139.8	123.5	98.6	79.9	67.8	51.4	43.6	38.1	35.7
45°	135.0	133.7	124.1	108.9	89.0	72.0	58.7	47.2	39.9	34.5	32.7
47.5°	117.4	115.6	108.3	96.8	80.5	64.8	50.8	42.4	35.7	31.5	30.3
50°	100.5	99.9	93.8	84.7	71.4	56.3	44.8	37.5	32.7	29.0	27.2
52.5°	84.7	83.5	80.5	73.2	62.3	49.0	39.3	33.3	29.0	26.6	25.4
55°	69.6	69.6	66.6	61.7	53.3	41.8	34.5	29.7	26.0	24.2	23.0
57.5°	57.5	57.5	55.1	52.0	44.2	35.7	30.3	26.0	23.6	21.8	20.6
60°	47.2	47.2	45.4	42.4	36.9	30.3	26.0	23.0	21.2	19.4	18.8
62.5°	39.3	38.7	37.5	34.5	30.3	25.4	22.4	20.0	18.2	16.9	16.3
65°	31.5	30.9	29.7	27.2	24.2	21.2	18.8	16.9	15.7	14.5	13.9
67.5°	24.2	24.2	23.0	21.2	18.8	16.9	15.1	13.9	12.7	12.1	11.5
70°	17.6	17.6	16.9	15.7	13.9	12.7	11.5	10.9	10.3	9.7	9.1
72.5°	12.1	12.1	11.5	10.9	9.7	9.1	7.9	7.9	7.3	7.3	6.7
75°	6.7	6.7	6.7	6.1	6.1	5.4	5.4	5.4	4.8	4.8	4.8
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
2.5°	103.5	101.7	100.5	99.9	98.0	97.4	96.8	96.2	96.2	96.2
5°	101.1	98.0	95.0	93.2	90.8	89.6	88.4	87.8	87.1	87.1
7.5°	96.8	93.2	89.6	86.5	84.1	81.7	80.5	79.3	79.3	78.7
10°	92.6	87.8	83.5	79.3	76.9	73.8	72.6	71.4	70.8	70.8
12.5°	87.8	81.7	76.9	73.2	69.6	67.2	65.4	64.2	63.5	63.5
15°	82.3	76.3	70.8	67.2	63.5	60.5	58.7	57.5	56.9	56.9
17.5°	76.9	70.8	64.8	61.1	57.5	54.5	53.3	52.0	51.4	50.8
20°	72.0	64.8	59.9	55.1	52.0	49.6	47.8	46.6	46.0	46.0
22.5°	66.6	59.9	54.5	50.8	47.8	45.4	43.0	42.4	41.8	41.8
25°	61.1	55.1	50.2	46.6	43.0	41.2	39.3	38.1	38.1	37.5
27.5°	56.9	50.8	46.0	42.4	39.9	37.5	36.3	35.1	34.5	34.5
30°	52.0	46.6	42.4	39.3	36.3	34.5	33.3	32.1	32.1	32.1
31°	50.8	45.4	41.2	37.5	35.1	33.3	32.1	31.5	30.9	30.9
32.5°	47.8	43.0	38.7	35.7	33.3	31.5	30.3	29.7	29.7	29.0
35°	44.2	39.3	35.7	32.7	30.9	29.0	27.8	27.2	27.2	27.2
37.5°	40.5	36.3	32.7	30.3	28.4	26.6	26.0	24.8	24.8	24.8
40°	36.9	33.3	30.3	27.8	26.0	24.8	24.2	23.6	23.0	23.0
42.5°	33.9	30.3	27.8	26.0	24.2	23.0	22.4	21.8	21.8	21.2
45°	30.9	27.8	26.0	24.2	22.4	21.8	21.2	20.6	20.0	20.0
47.5°	28.4	26.0	23.6	22.4	21.2	20.0	19.4	19.4	18.8	18.8
50°	26.0	23.6	21.8	20.6	19.4	18.8	18.2	18.2	17.6	17.6
52.5°	24.2	21.8	20.6	19.4	18.2	17.6	16.9	16.9	16.3	16.3
55°	21.8	20.0	18.8	18.2	16.9	16.3	15.7	15.1	15.1	15.7
57.5°	20.0	18.8	17.6	16.9	15.7	15.1	14.5	14.5	13.9	14.5
60°	18.2	16.9	15.7	15.1	14.5	13.9	13.3	12.7	12.7	12.7
62.5°	16.3	15.1	14.5	13.3	12.7	12.7	12.1	12.1	12.1	11.5
65°	13.9	13.3	12.7	12.1	11.5	10.9	10.9	10.3	10.3	10.3
67.5°	11.5	10.9	10.3	10.3	9.7	9.1	9.1	9.1	9.1	8.5
70°	9.1	8.5	8.5	7.9	7.9	7.9	7.3	7.3	7.3	7.3
72.5°	6.7	6.7	6.1	6.1	6.1	6.1	5.4	5.4	5.4	5.4
75°	4.8	4.8	4.8	4.2	4.2	4.2	3.6	3.6	3.6	3.6
77.5°	3.0	3.0	3.0	3.0	3.0	2.4	2.4	2.4	2.4	2.4
80°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)