

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: P1446235

Luminaire Tested: P3ART02R709050DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

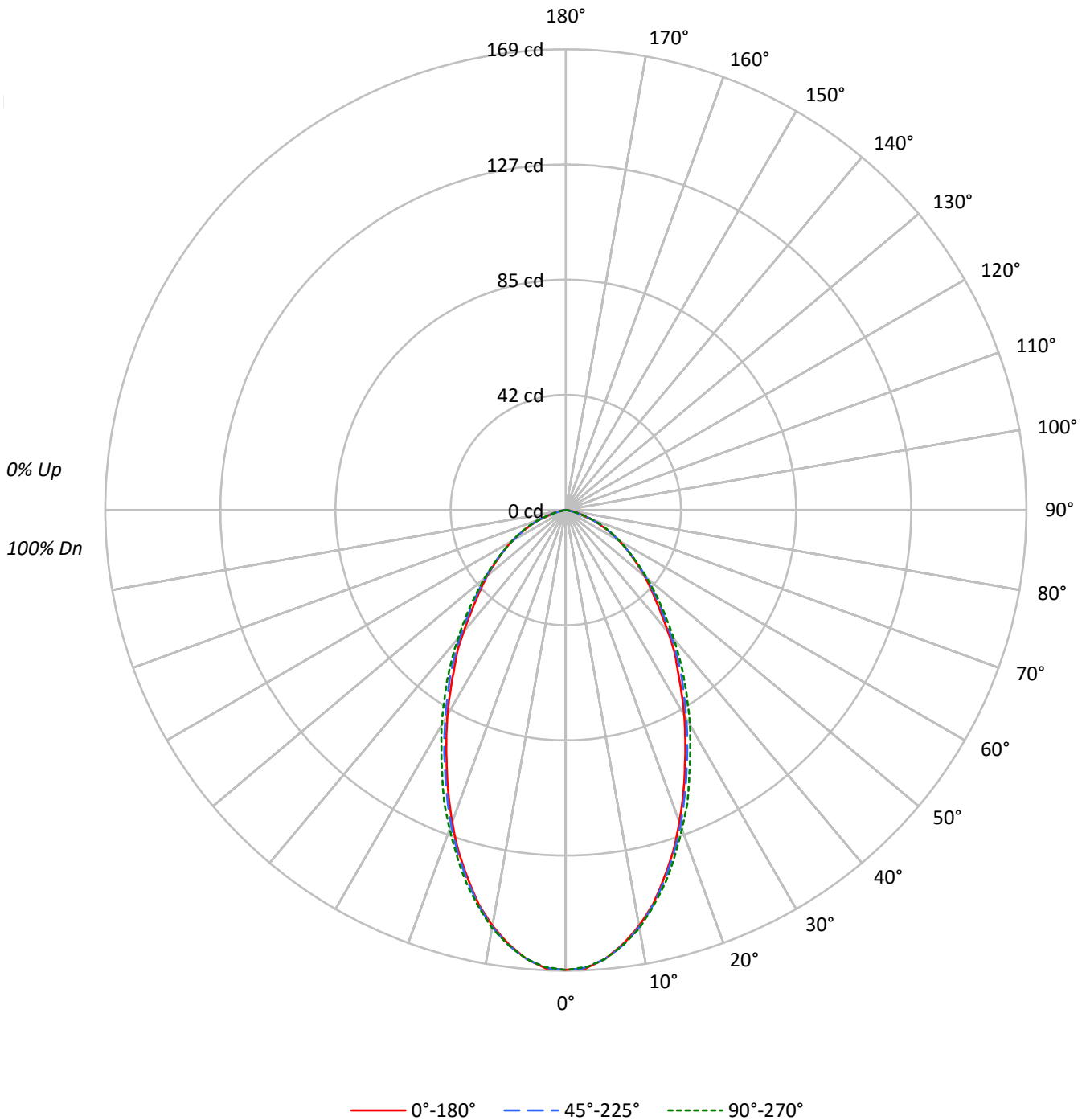
Test Method: LM-79-2019  
Report Number: P1446235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709050DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 235.0 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	36993	36993	36993
5°	36386	36386	36386
10°	34491	34580	34669
15°	31669	31850	32100
20°	28422	28702	29053
25°	25018	25380	25937
30°	22003	22383	23067
35°	19140	19756	20264
40°	16717	17175	17604
45°	14420	14885	15257
50°	12861	13100	13236
55°	11316	11469	11469
60°	9955	9780	9955
65°	8198	8354	8561
70°	6411	6411	6668
75°	4236	3897	3897
80°	2399	1894	1515
85°	1006	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 15257 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	6.6
10°-20°	39.2	16.7
20°-30°	48.3	20.6
30°-40°	46.0	19.6
40°-50°	37.3	15.9
50°-60°	26.8	11.4
60°-70°	16.1	6.8
70°-80°	5.4	2.3
80°-90°	0.5	0.2
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°	103.0	43.8
0°-40°	149.0	63.4
0°-60°	213.1	90.7
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	169	169	169	169	169	
5°	165	165	165	165	165	15
15°	140	140	140	141	141	39
25°	103	104	105	107	107	48
35°	72	72	74	75	76	45
45°	46	47	48	49	49	36
55°	30	30	30	30	30	27
65°	16	16	16	16	16	16
75°	5	5	5	5	5	6
85°	0	0	0	0	0	1
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°	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7
2°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.0
2.5°	168.3	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.0	168.3	168.0
5°	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.6	165.3	165.3
7.5°	160.6	160.6	160.6	160.6	161.0	161.0	161.0	161.0	161.4	161.4	161.0
10°	154.9	154.9	154.9	154.9	155.3	155.3	155.7	155.3	155.3	155.7	155.7
12.5°	148.0	147.6	147.6	147.6	148.0	148.3	148.3	148.3	148.7	148.7	148.7
15°	139.5	139.5	139.5	139.9	139.9	140.3	140.7	140.7	141.0	141.0	141.4
17.5°	131.1	131.1	130.7	131.1	131.4	131.8	132.2	132.6	133.0	133.0	133.0
20°	121.8	121.4	121.8	122.2	122.6	123.0	123.4	124.1	124.5	124.5	124.5
22.5°	112.6	112.2	112.6	113.0	113.4	113.8	114.9	115.3	115.7	115.7	116.5
25°	103.4	103.4	103.8	104.2	104.5	104.9	105.7	106.5	106.8	107.2	107.2
27.5°	94.9	94.9	94.9	94.9	95.7	96.5	97.2	98.0	98.4	98.8	98.8
30°	86.9	86.5	86.5	86.9	87.6	88.4	89.2	89.9	90.3	90.7	91.1
32.5°	78.8	78.8	78.8	79.2	79.6	80.7	81.5	81.9	82.6	83.0	83.0
35°	71.5	71.5	71.5	72.3	73.0	73.8	74.2	74.9	75.7	75.7	75.7
37.5°	65.3	65.7	66.5	66.1	66.1	66.5	66.9	67.6	68.4	68.4	68.4
40°	58.4	58.8	59.2	58.8	59.2	60.0	60.3	60.7	61.1	61.5	61.5
42.5°	51.9	51.9	51.9	52.3	53.0	53.4	54.2	54.6	55.0	55.0	55.0
45°	46.5	46.5	46.9	47.3	47.7	48.0	48.4	48.8	49.2	49.2	49.2
47.5°	41.9	41.9	42.3	42.3	42.7	43.0	43.4	43.4	43.8	44.2	43.8
50°	37.7	37.7	37.7	38.0	38.0	38.4	38.4	38.8	38.8	38.8	38.8
52.5°	33.4	33.4	33.4	33.4	33.8	33.8	33.8	34.2	34.2	34.2	34.2
55°	29.6	29.6	29.6	29.6	29.6	30.0	30.0	30.0	30.0	30.0	30.0
57.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
60°	22.7	22.7	22.7	22.7	22.7	22.3	22.7	22.7	22.7	22.7	22.7
62.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.6	19.6	19.6	19.6
65°	15.8	16.1	16.1	16.1	16.1	16.1	16.1	16.5	16.5	16.5	16.5
67.5°	12.7	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.5	13.5	13.5
70°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.3	7.3	7.3
75°	5.0	5.0	5.0	5.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	3.5	3.5	3.5	3.1	3.1	2.7	2.7	2.7	2.7	2.7	2.3
80°	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	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

(END OF REPORT)