

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: P1445715

Luminaire Tested: P3ART02R709027DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

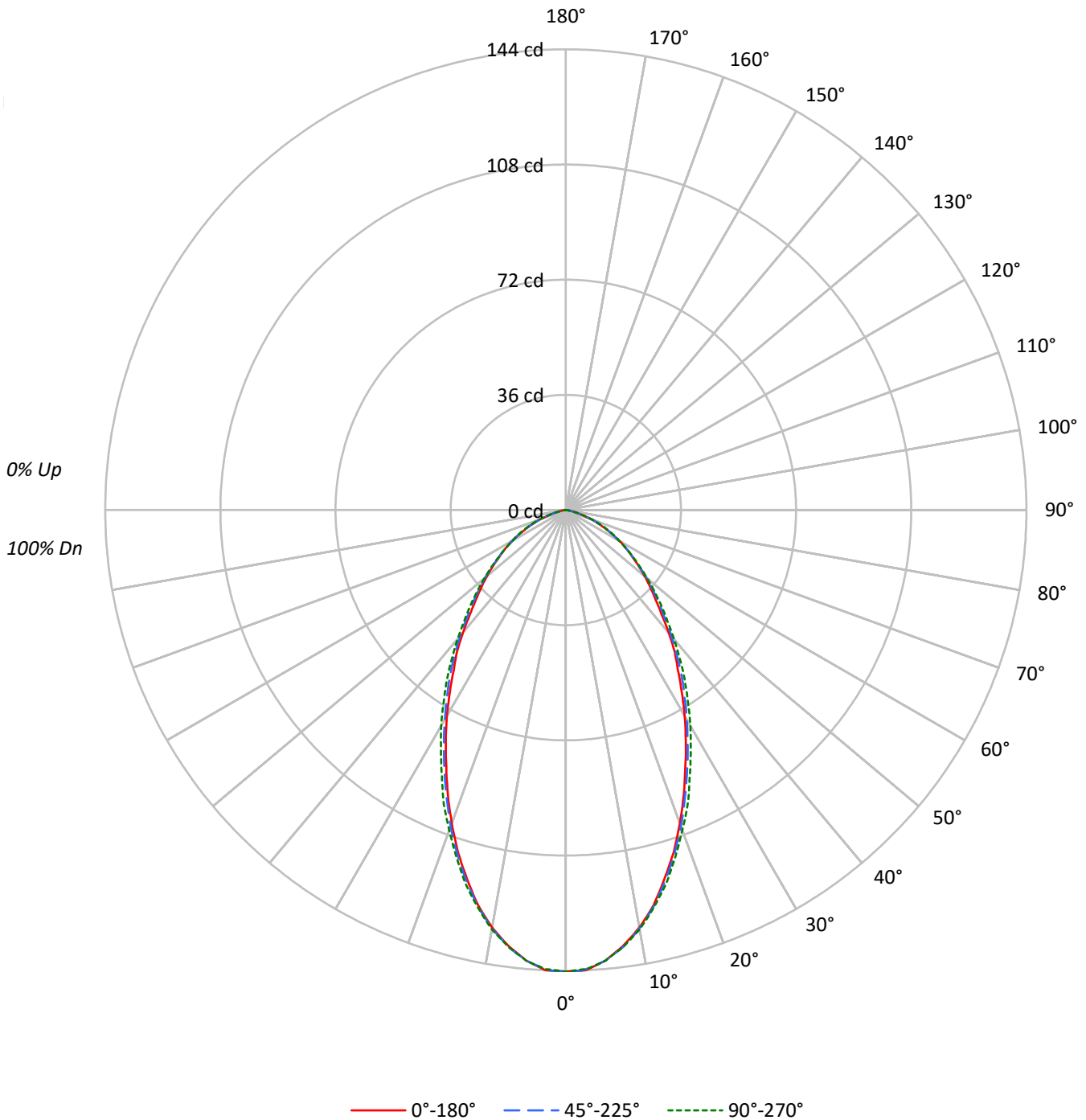
Test Method: LM-79-2019  
Report Number: P1445715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709027DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 201.0 lumens  
Efficiency: N/A  
Efficacy: 55.8 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

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

	0°	45°	90°
0°	31642	31642	31642
5°	31125	31125	31125
10°	29503	29570	29637
15°	27083	27242	27469
20°	24315	24549	24852
25°	21388	21703	22187
30°	18813	19142	19725
35°	16356	16891	17346
40°	14313	14685	15057
45°	12342	12746	13056
50°	10985	11224	11326
55°	9672	9787	9787
60°	8508	8377	8508
65°	7005	7160	7316
70°	5450	5450	5706
75°	3643	3304	3304
80°	2020	1642	1263
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 13056 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.2	6.6
10°-20°	33.5	16.7
20°-30°	41.3	20.6
30°-40°	39.4	19.6
40°-50°	31.9	15.9
50°-60°	23.0	11.4
60°-70°	13.7	6.8
70°-80°	4.6	2.3
80°-90°	0.4	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
<b>0°-30°</b>	<b>88.1</b>	<b>43.8</b>
<b>0°-40°</b>	<b>127.5</b>	<b>63.4</b>
<b>0°-60°</b>	<b>182.3</b>	<b>90.7</b>
<b>0°-90°</b>	<b>201.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>201.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	144	144	144	144	144	
5°	141	141	141	141	141	13
15°	119	120	120	120	121	33
25°	88	89	90	91	92	41
35°	61	62	63	64	65	38
45°	40	40	41	42	42	31
55°	25	25	26	26	26	23
65°	14	14	14	14	14	13
75°	4	4	4	4	4	5
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°	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3
2°	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	143.7
2.5°	144.0	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	144.0	143.7
5°	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.7	141.4	141.4
7.5°	137.4	137.4	137.4	137.4	137.7	137.7	137.7	137.7	138.1	138.1	137.7
10°	132.5	132.5	132.5	132.5	132.8	132.8	133.1	132.8	132.8	133.1	133.1
12.5°	126.6	126.2	126.2	126.2	126.6	126.9	126.9	126.9	127.2	127.2	127.2
15°	119.3	119.3	119.3	119.7	119.7	120.0	120.3	120.3	120.6	120.6	121.0
17.5°	112.1	112.1	111.8	112.1	112.4	112.8	113.1	113.4	113.7	113.7	113.7
20°	104.2	103.9	104.2	104.5	104.9	105.2	105.5	106.2	106.5	106.5	106.5
22.5°	96.3	96.0	96.3	96.6	97.0	97.3	98.3	98.6	98.9	98.9	99.6
25°	88.4	88.4	88.8	89.1	89.4	89.7	90.4	91.1	91.4	91.7	91.7
27.5°	81.2	81.2	81.2	81.2	81.9	82.5	83.2	83.8	84.2	84.5	84.5
30°	74.3	74.0	74.0	74.3	74.9	75.6	76.3	76.9	77.2	77.6	77.9
32.5°	67.4	67.4	67.4	67.7	68.0	69.0	69.7	70.0	70.7	71.0	71.0
35°	61.1	61.1	61.1	61.8	62.5	63.1	63.4	64.1	64.8	64.8	64.8
37.5°	55.9	56.2	56.9	56.5	56.5	56.9	57.2	57.9	58.5	58.5	58.5
40°	50.0	50.3	50.6	50.3	50.6	51.3	51.6	51.9	52.3	52.6	52.6
42.5°	44.4	44.4	44.4	44.7	45.4	45.7	46.3	46.7	47.0	47.0	47.0
45°	39.8	39.8	40.1	40.4	40.8	41.1	41.4	41.7	42.1	42.1	42.1
47.5°	35.8	35.8	36.2	36.2	36.5	36.8	37.1	37.1	37.5	37.8	37.5
50°	32.2	32.2	32.2	32.5	32.5	32.9	32.9	33.2	33.2	33.2	33.2
52.5°	28.6	28.6	28.6	28.6	28.9	28.9	28.9	29.3	29.3	29.3	29.3
55°	25.3	25.3	25.3	25.3	25.3	25.6	25.6	25.6	25.6	25.6	25.6
57.5°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
60°	19.4	19.4	19.4	19.4	19.4	19.1	19.4	19.4	19.4	19.4	19.4
62.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.8	16.8	16.8	16.8
65°	13.5	13.8	13.8	13.8	13.8	13.8	13.8	14.1	14.1	14.1	14.1
67.5°	10.8	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.5
70°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.9
72.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.2	6.2	6.2
75°	4.3	4.3	4.3	4.3	3.9	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	3.0	3.0	3.0	2.6	2.6	2.3	2.3	2.3	2.3	2.3	2.0
80°	1.6	1.6	1.6	1.6	1.6	1.3	1.3	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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)