

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: P1446624

Luminaire Tested: P3ART02R709735DE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

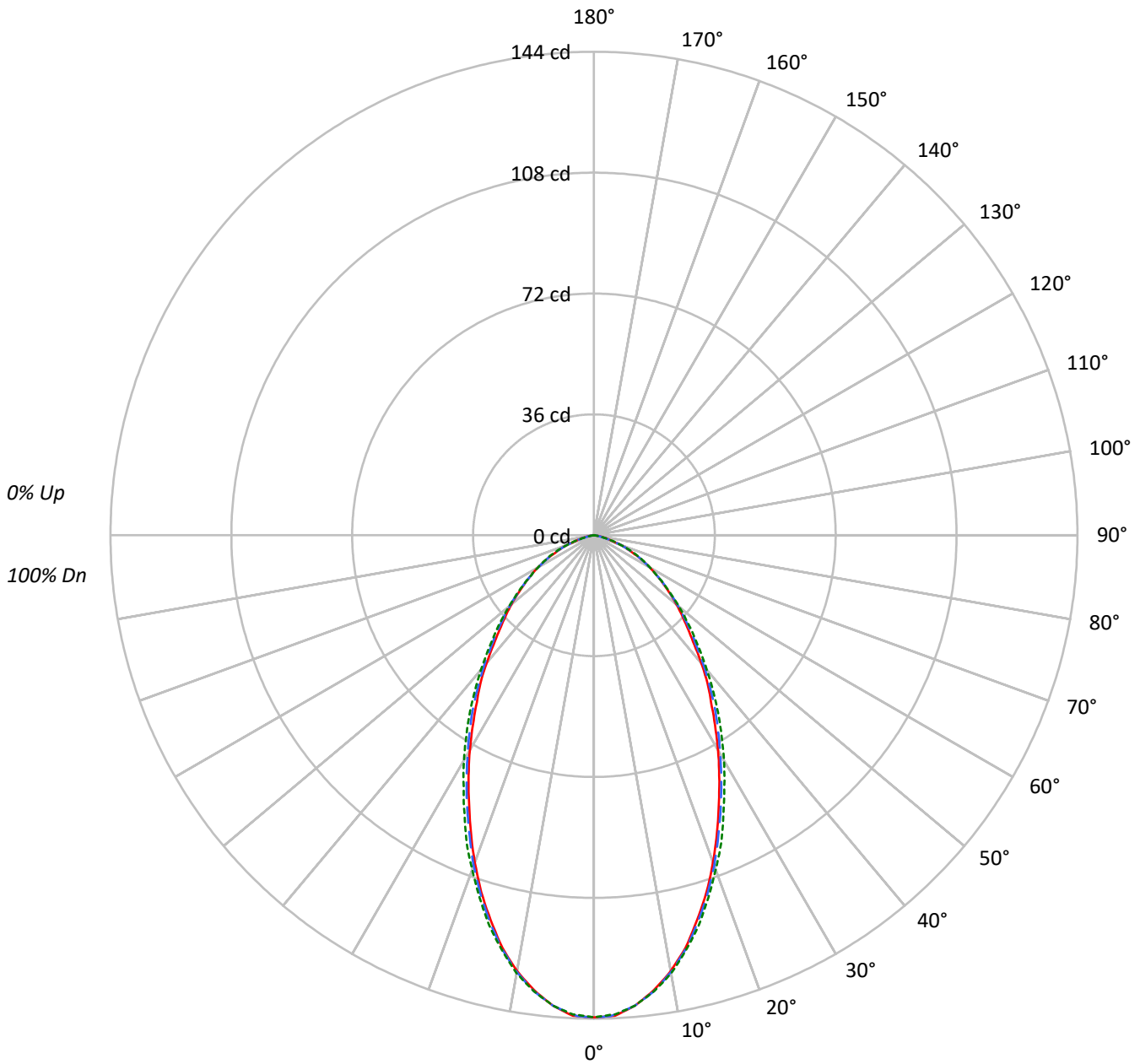
Test Method: LM-79-2019  
Report Number: P1446624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709735DE010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 200.0 lumens  
Efficiency: N/A  
Efficacy: 55.6 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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

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

	0°	45°	90°
0°	31489	31489	31489
5°	30949	30949	30949
10°	29347	29414	29503
15°	26947	27106	27333
20°	24199	24432	24735
25°	21292	21606	22090
30°	18712	19041	19623
35°	16276	16811	17239
40°	14227	14599	14971
45°	12280	12683	12994
50°	10951	11155	11258
55°	9634	9749	9749
60°	8464	8333	8464
65°	6953	7108	7316
70°	5450	5450	5642
75°	3643	3304	3304
80°	2020	1642	1263
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 12994 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.2	6.6
10°-20°	33.3	16.7
20°-30°	41.1	20.6
30°-40°	39.2	19.6
40°-50°	31.7	15.9
50°-60°	22.8	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>87.6</b>	<b>43.8</b>
<b>0°-40°</b>	<b>126.8</b>	<b>63.4</b>
<b>0°-60°</b>	<b>181.4</b>	<b>90.7</b>
<b>0°-90°</b>	<b>200.0</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>200.0</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	119	119	120	120	33
25°	88	89	89	91	91	40
35°	61	61	63	64	64	38
45°	40	40	41	42	42	31
55°	25	25	26	26	26	23
65°	13	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°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
2°	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	142.9
2.5°	143.3	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	143.3	142.9
5°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	141.0	140.6	140.6
7.5°	136.7	136.7	136.7	136.7	137.0	137.0	137.0	137.0	137.4	137.4	137.0
10°	131.8	131.8	131.8	131.8	132.1	132.1	132.5	132.1	132.1	132.5	132.5
12.5°	125.9	125.6	125.6	125.6	125.9	126.3	126.3	126.3	126.6	126.6	126.6
15°	118.7	118.7	118.7	119.1	119.1	119.4	119.7	119.7	120.0	120.0	120.4
17.5°	111.5	111.5	111.2	111.5	111.9	112.2	112.5	112.8	113.2	113.2	113.2
20°	103.7	103.4	103.7	104.0	104.3	104.7	105.0	105.6	106.0	106.0	106.0
22.5°	95.8	95.5	95.8	96.2	96.5	96.8	97.8	98.1	98.5	98.5	99.1
25°	88.0	88.0	88.3	88.6	89.0	89.3	89.9	90.6	90.9	91.3	91.3
27.5°	80.8	80.8	80.8	80.8	81.4	82.1	82.8	83.4	83.7	84.1	84.1
30°	73.9	73.6	73.6	73.9	74.6	75.2	75.9	76.5	76.9	77.2	77.5
32.5°	67.1	67.1	67.1	67.4	67.7	68.7	69.3	69.7	70.3	70.7	70.7
35°	60.8	60.8	60.8	61.5	62.1	62.8	63.1	63.8	64.4	64.4	64.4
37.5°	55.6	55.9	56.6	56.3	56.3	56.6	56.9	57.6	58.2	58.2	58.2
40°	49.7	50.0	50.4	50.0	50.4	51.0	51.4	51.7	52.0	52.3	52.3
42.5°	44.2	44.2	44.2	44.5	45.1	45.5	46.1	46.4	46.8	46.8	46.8
45°	39.6	39.6	39.9	40.2	40.6	40.9	41.2	41.5	41.9	41.9	41.9
47.5°	35.7	35.7	36.0	36.0	36.3	36.6	37.0	37.0	37.3	37.6	37.3
50°	32.1	32.1	32.1	32.4	32.4	32.7	32.7	33.0	33.0	33.0	33.0
52.5°	28.5	28.5	28.5	28.5	28.8	28.8	28.8	29.1	29.1	29.1	29.1
55°	25.2	25.2	25.2	25.2	25.2	25.5	25.5	25.5	25.5	25.5	25.5
57.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
60°	19.3	19.3	19.3	19.3	19.3	19.0	19.3	19.3	19.3	19.3	19.3
62.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.7	16.7	16.7	16.7
65°	13.4	13.7	13.7	13.7	13.7	13.7	13.7	14.1	14.1	14.1	14.1
67.5°	10.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.4	11.4	11.4
70°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.8
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°	2.9	2.9	2.9	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)