

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: P1445975

Luminaire Tested: P3ART02R709035DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

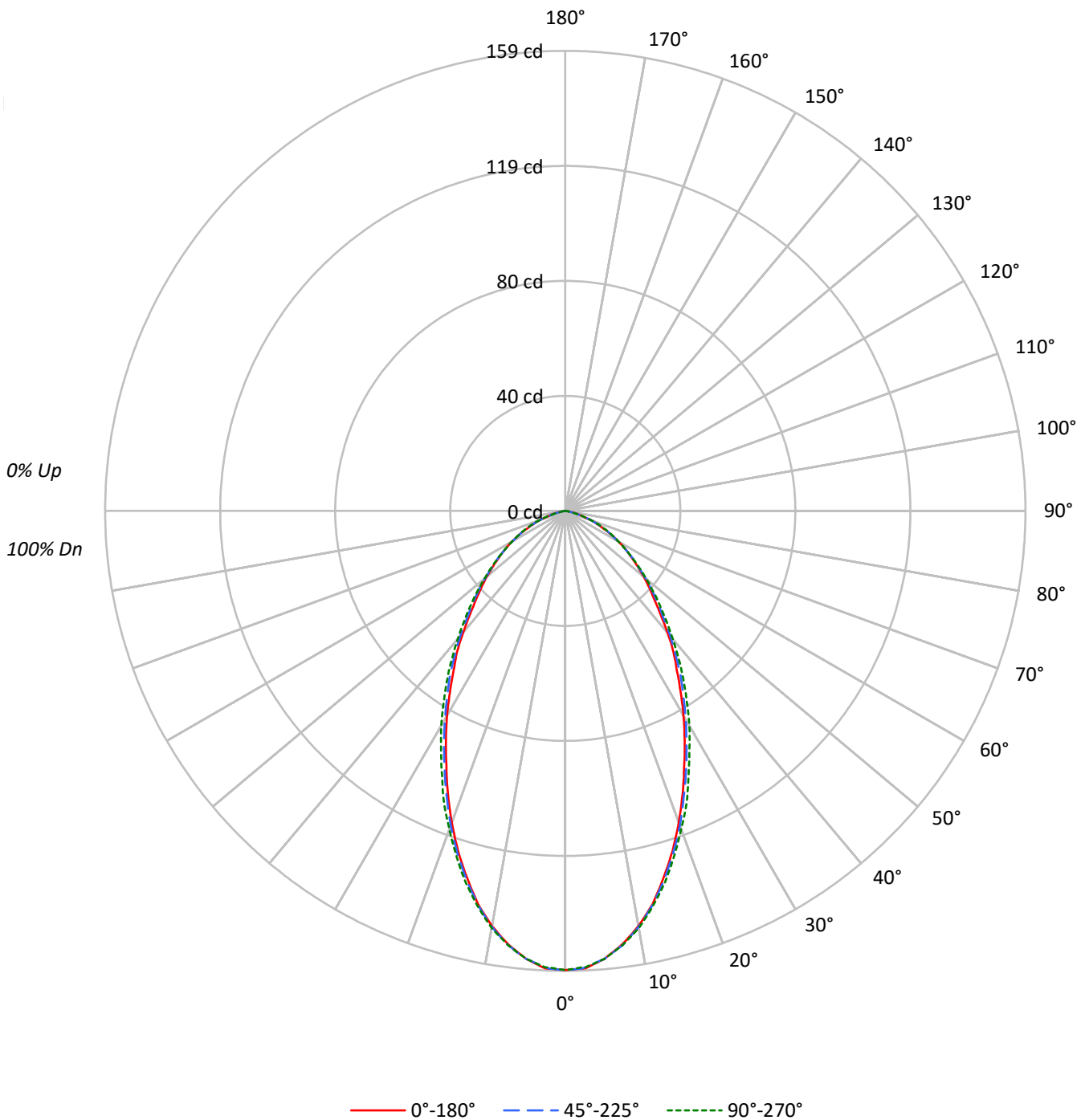
Test Method: LM-79-2019  
Report Number: P1445975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709035DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 221.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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				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	64	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	43	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°	34800	34800	34800
5°	34206	34206	34206
10°	32442	32509	32598
15°	29785	29943	30193
20°	26742	26999	27326
25°	23517	23880	24389
30°	20687	21041	21700
35°	17989	18578	19060
40°	15715	16145	16545
45°	13552	14017	14358
50°	12076	12315	12452
55°	10628	10781	10781
60°	9341	9210	9341
65°	7679	7887	8042
70°	6027	6027	6283
75°	3982	3643	3643
80°	2273	1768	1389
85°	1006	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 14358 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.5	6.6
10°-20°	36.8	16.7
20°-30°	45.4	20.6
30°-40°	43.3	19.6
40°-50°	35.0	15.9
50°-60°	25.2	11.4
60°-70°	15.1	6.8
70°-80°	5.1	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>96.8</b>	<b>43.8</b>
<b>0°-40°</b>	<b>140.1</b>	<b>63.4</b>
<b>0°-60°</b>	<b>200.4</b>	<b>90.7</b>
<b>0°-90°</b>	<b>221.0</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>221.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	159	159	159	159	159	
5°	155	155	155	156	155	15
15°	131	132	132	132	133	37
25°	97	98	99	100	101	45
35°	67	68	69	71	71	42
45°	44	44	45	46	46	34
55°	28	28	28	28	28	25
65°	15	15	15	16	16	15
75°	5	5	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°	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7
2°	158.3	158.3	158.3	158.3	158.3	158.3	158.3	158.3	158.3	158.3	157.9
2.5°	158.3	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	158.3	157.9
5°	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.8	155.4	155.4
7.5°	151.1	151.1	151.1	151.1	151.4	151.4	151.4	151.4	151.8	151.8	151.4
10°	145.7	145.7	145.7	145.7	146.0	146.0	146.4	146.0	146.0	146.4	146.4
12.5°	139.2	138.8	138.8	138.8	139.2	139.5	139.5	139.5	139.9	139.9	139.9
15°	131.2	131.2	131.2	131.6	131.6	131.9	132.3	132.3	132.6	132.6	133.0
17.5°	123.2	123.2	122.9	123.2	123.6	124.0	124.3	124.7	125.1	125.1	125.1
20°	114.6	114.2	114.6	114.9	115.3	115.7	116.0	116.7	117.1	117.1	117.1
22.5°	105.9	105.5	105.9	106.3	106.6	107.0	108.1	108.4	108.8	108.8	109.5
25°	97.2	97.2	97.6	97.9	98.3	98.7	99.4	100.1	100.5	100.8	100.8
27.5°	89.3	89.3	89.3	89.3	90.0	90.7	91.4	92.2	92.5	92.9	92.9
30°	81.7	81.3	81.3	81.7	82.4	83.1	83.9	84.6	84.9	85.3	85.7
32.5°	74.1	74.1	74.1	74.5	74.8	75.9	76.6	77.0	77.7	78.1	78.1
35°	67.2	67.2	67.2	67.9	68.7	69.4	69.8	70.5	71.2	71.2	71.2
37.5°	61.4	61.8	62.5	62.2	62.2	62.5	62.9	63.6	64.3	64.3	64.3
40°	54.9	55.3	55.7	55.3	55.7	56.4	56.7	57.1	57.5	57.8	57.8
42.5°	48.8	48.8	48.8	49.2	49.9	50.2	51.0	51.3	51.7	51.7	51.7
45°	43.7	43.7	44.1	44.5	44.8	45.2	45.5	45.9	46.3	46.3	46.3
47.5°	39.4	39.4	39.8	39.8	40.1	40.5	40.8	40.8	41.2	41.6	41.2
50°	35.4	35.4	35.4	35.8	35.8	36.1	36.1	36.5	36.5	36.5	36.5
52.5°	31.4	31.4	31.4	31.4	31.8	31.8	31.8	32.2	32.2	32.2	32.2
55°	27.8	27.8	27.8	27.8	27.8	28.2	28.2	28.2	28.2	28.2	28.2
57.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
60°	21.3	21.3	21.3	21.3	21.3	21.0	21.3	21.3	21.3	21.3	21.3
62.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.4	18.4	18.4	18.4
65°	14.8	15.2	15.2	15.2	15.2	15.2	15.2	15.5	15.5	15.5	15.5
67.5°	11.9	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.7	12.7	12.7
70°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.8
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.9	6.9	6.9
75°	4.7	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	3.3	3.3	3.3	2.9	2.9	2.5	2.5	2.5	2.5	2.5	2.2
80°	1.8	1.8	1.8	1.8	1.8	1.4	1.4	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	0.7	0.7	0.7	0.7	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)