

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: P1446730

Luminaire Tested: P3ART17R709740DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

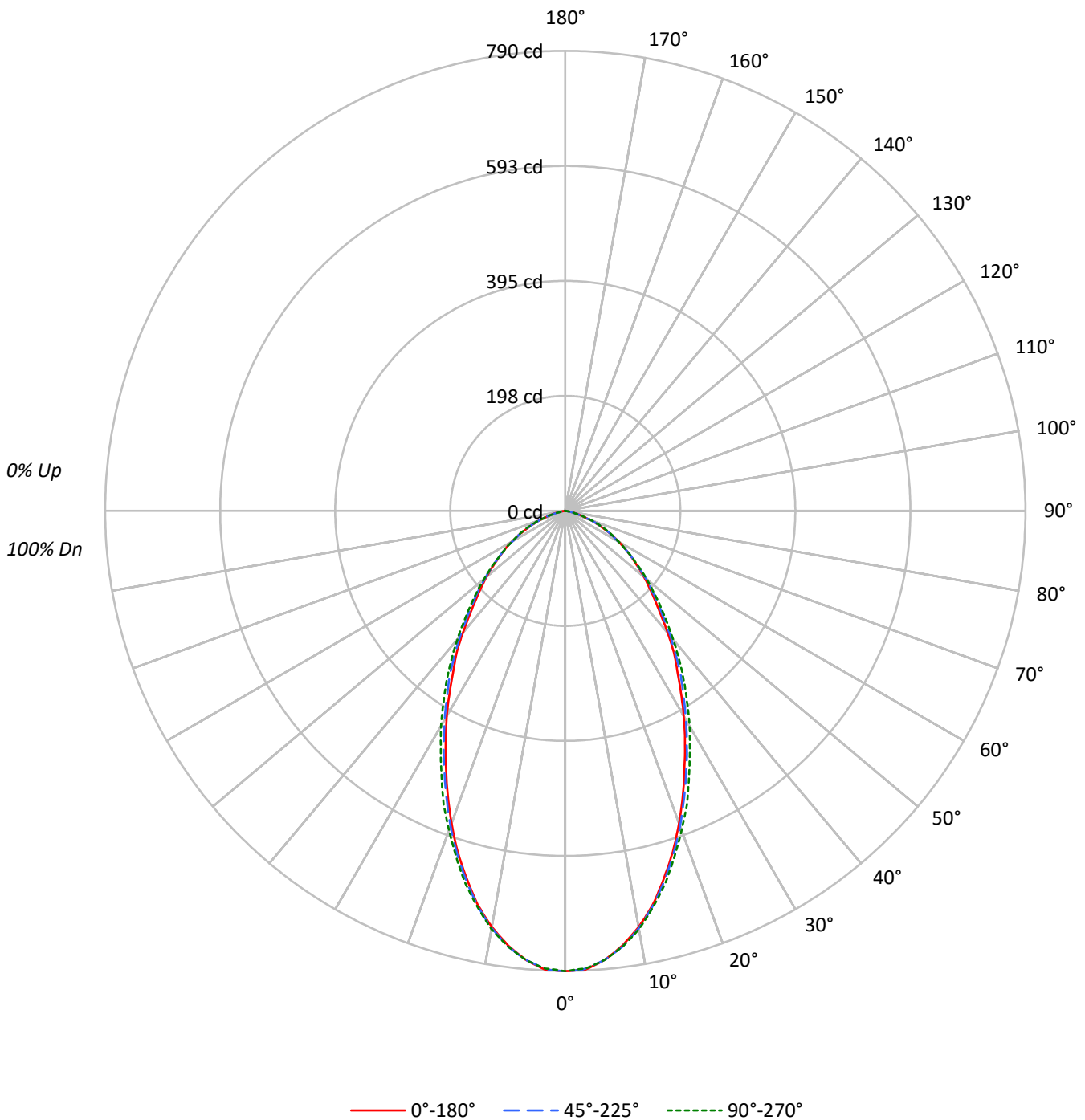
Test Method: LM-79-2019  
Report Number: P1446730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709740DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1101.0 lumens  
Efficiency: N/A  
Efficacy: 51.9 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): 21.2  
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	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°	173341	173341	173341
5°	170438	170438	170438
10°	161565	161965	162366
15°	148378	149195	150421
20°	133198	134458	136139
25°	117200	118942	121555
30°	103029	104852	108042
35°	89650	92541	94950
40°	78347	80408	82469
45°	67573	69806	71480
50°	60211	61439	62053
55°	52987	53676	53676
60°	46575	45786	46575
65°	38292	39226	40160
70°	30005	30005	31159
75°	19825	18300	18300
80°	11365	9092	6819
85°	4529	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 71480 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.4	6.6
10°-20°	183.6	16.7
20°-30°	226.4	20.6
30°-40°	215.7	19.6
40°-50°	174.6	15.9
50°-60°	125.7	11.4
60°-70°	75.2	6.8
70°-80°	25.2	2.3
80°-90°	2.1	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°	482.4	43.8
0°-40°	698.1	63.4
0°-60°	998.4	90.7
0°-90°	1101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	790	790	790	790	790	
5°	774	774	774	775	774	72
15°	654	655	657	659	663	183
25°	484	488	492	499	502	223
35°	335	338	346	352	355	210
45°	218	221	225	229	230	170
55°	139	139	140	140	140	125
65°	74	76	76	77	77	74
75°	23	23	22	22	22	26
85°	2	2	0	0	0	3
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°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	786.9
2.5°	788.7	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	788.7	786.9
5°	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	776.1	774.3	774.3
7.5°	752.7	752.7	752.7	752.7	754.5	754.5	754.5	754.5	756.3	756.3	754.5
10°	725.6	725.6	725.6	725.6	727.4	727.4	729.2	727.4	727.4	729.2	729.2
12.5°	693.2	691.4	691.4	691.4	693.2	695.0	695.0	695.0	696.8	696.8	696.8
15°	653.6	653.6	653.6	655.4	655.4	657.2	659.0	659.0	660.8	660.8	662.6
17.5°	614.0	614.0	612.2	614.0	615.8	617.6	619.4	621.2	623.0	623.0	623.0
20°	570.8	569.0	570.8	572.6	574.4	576.2	578.0	581.6	583.4	583.4	583.4
22.5°	527.6	525.8	527.6	529.4	531.2	533.0	538.4	540.2	542.0	542.0	545.6
25°	484.4	484.4	486.2	488.0	489.8	491.6	495.2	498.8	500.6	502.4	502.4
27.5°	444.8	444.8	444.8	444.8	448.4	452.0	455.6	459.2	461.0	462.8	462.8
30°	406.9	405.1	405.1	406.9	410.5	414.1	417.7	421.3	423.1	424.9	426.7
32.5°	369.1	369.1	369.1	370.9	372.7	378.1	381.7	383.5	387.1	388.9	388.9
35°	334.9	334.9	334.9	338.5	342.1	345.7	347.5	351.1	354.7	354.7	354.7
37.5°	306.1	307.9	311.5	309.7	309.7	311.5	313.3	316.9	320.5	320.5	320.5
40°	273.7	275.5	277.3	275.5	277.3	280.9	282.7	284.5	286.3	288.1	288.1
42.5°	243.1	243.1	243.1	244.9	248.5	250.3	253.9	255.7	257.5	257.5	257.5
45°	217.9	217.9	219.7	221.5	223.3	225.1	226.9	228.7	230.5	230.5	230.5
47.5°	196.3	196.3	198.1	198.1	199.9	201.7	203.5	203.5	205.3	207.1	205.3
50°	176.5	176.5	176.5	178.3	178.3	180.1	180.1	181.9	181.9	181.9	181.9
52.5°	156.7	156.7	156.7	156.7	158.5	158.5	158.5	160.3	160.3	160.3	160.3
55°	138.6	138.6	138.6	138.6	138.6	140.4	140.4	140.4	140.4	140.4	140.4
57.5°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
60°	106.2	106.2	106.2	106.2	106.2	104.4	106.2	106.2	106.2	106.2	106.2
62.5°	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.8	91.8	91.8	91.8
65°	73.8	75.6	75.6	75.6	75.6	75.6	75.6	77.4	77.4	77.4	77.4
67.5°	59.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	63.0	63.0	63.0
70°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	48.6
72.5°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	34.2	34.2	34.2
75°	23.4	23.4	23.4	23.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6
77.5°	16.2	16.2	16.2	14.4	14.4	12.6	12.6	12.6	12.6	12.6	10.8
80°	9.0	9.0	9.0	9.0	9.0	7.2	7.2	5.4	5.4	5.4	5.4
82.5°	5.4	5.4	5.4	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	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)