

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: P#

Luminaire Tested: P3ART09R709030D2WDE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

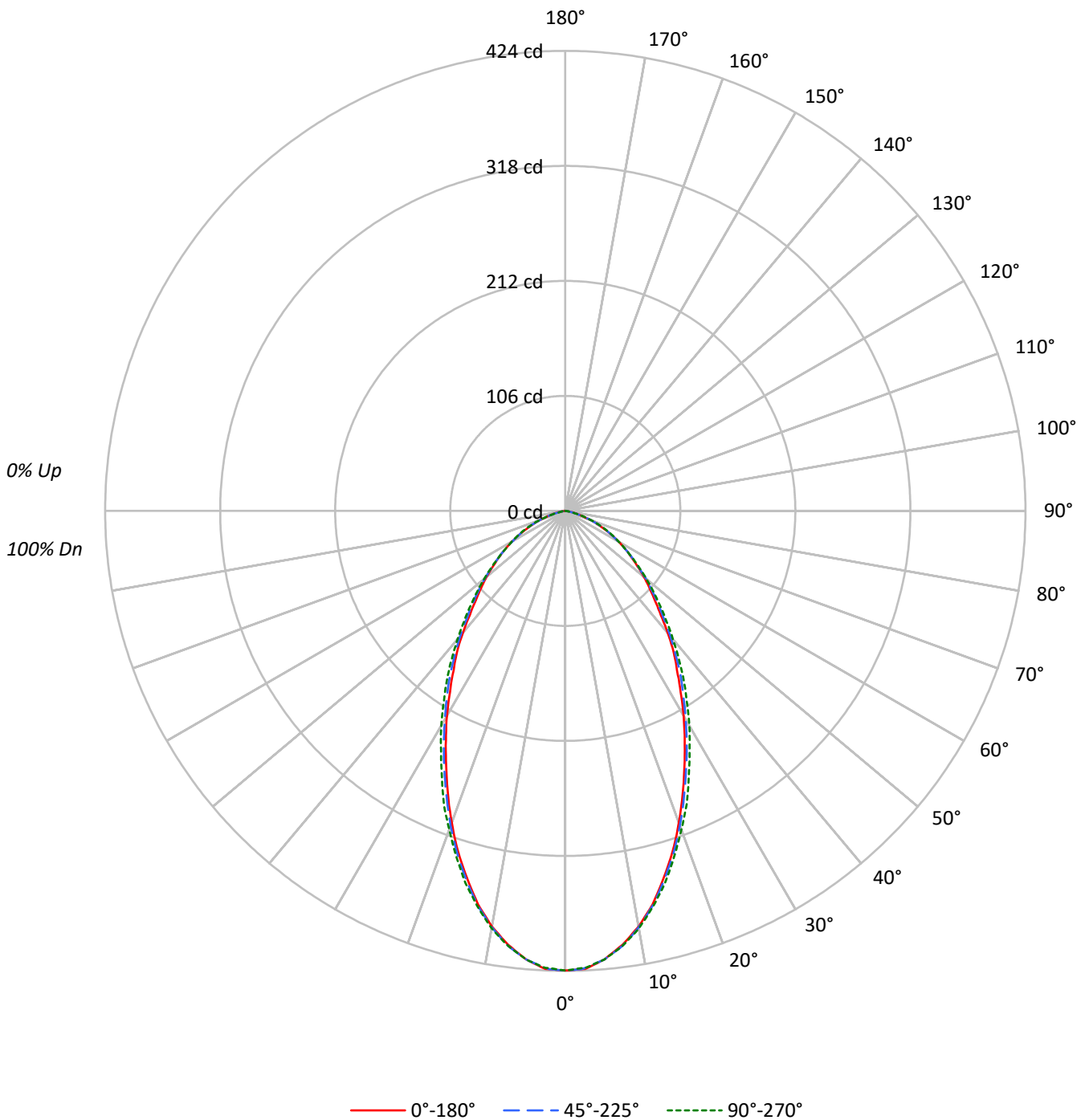
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709030D2WDE010 E3CLDWW1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 590.0 lumens  
Efficiency: N/A  
Efficacy: 40.1 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): 14.7  
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	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°	92887	92887	92887
5°	91327	91327	91327
10°	86594	86794	87017
15°	79524	79955	80613
20°	71383	72060	72946
25°	62810	63729	65133
30°	55224	56186	57908
35°	48051	49603	50888
40°	41993	43081	44197
45°	36221	37399	38299
50°	32272	32920	33261
55°	28405	28788	28788
60°	24954	24559	24954
65°	20547	21014	21533
70°	16092	16092	16734
75°	10590	9828	9828
80°	6061	4925	3662
85°	2516	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 38299 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	6.6
10°-20°	98.4	16.7
20°-30°	121.3	20.6
30°-40°	115.6	19.6
40°-50°	93.5	15.9
50°-60°	67.4	11.4
60°-70°	40.3	6.8
70°-80°	13.5	2.3
80°-90°	1.2	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°	258.5	43.8
0°-40°	374.1	63.4
0°-60°	535.0	90.7
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	415	415	415	415	415	39
15°	350	351	352	353	355	98
25°	260	261	263	268	269	119
35°	180	181	185	189	190	113
45°	117	118	121	123	124	91
55°	74	74	75	75	75	67
65°	40	40	40	42	42	40
75°	12	12	12	12	12	14
85°	1	1	0	0	0	2
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°	423.6	423.6	423.6	423.6	423.6	423.6	423.6	423.6	423.6	423.6	423.6
2°	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6	421.7
2.5°	422.6	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	422.6	421.7
5°	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	415.9	414.9	414.9
7.5°	403.3	403.3	403.3	403.3	404.3	404.3	404.3	404.3	405.3	405.3	404.3
10°	388.9	388.9	388.9	388.9	389.8	389.8	390.8	389.8	389.8	390.8	390.8
12.5°	371.5	370.5	370.5	370.5	371.5	372.5	372.5	372.5	373.4	373.4	373.4
15°	350.3	350.3	350.3	351.2	351.2	352.2	353.2	353.2	354.1	354.1	355.1
17.5°	329.0	329.0	328.1	329.0	330.0	331.0	331.9	332.9	333.9	333.9	333.9
20°	305.9	304.9	305.9	306.8	307.8	308.8	309.7	311.7	312.6	312.6	312.6
22.5°	282.7	281.8	282.7	283.7	284.6	285.6	288.5	289.5	290.4	290.4	292.4
25°	259.6	259.6	260.5	261.5	262.5	263.4	265.3	267.3	268.2	269.2	269.2
27.5°	238.3	238.3	238.3	238.3	240.3	242.2	244.1	246.1	247.0	248.0	248.0
30°	218.1	217.1	217.1	218.1	220.0	221.9	223.9	225.8	226.8	227.7	228.7
32.5°	197.8	197.8	197.8	198.8	199.7	202.6	204.6	205.5	207.5	208.4	208.4
35°	179.5	179.5	179.5	181.4	183.3	185.3	186.2	188.2	190.1	190.1	190.1
37.5°	164.0	165.0	166.9	166.0	166.0	166.9	167.9	169.8	171.8	171.8	171.8
40°	146.7	147.6	148.6	147.6	148.6	150.5	151.5	152.5	153.4	154.4	154.4
42.5°	130.3	130.3	130.3	131.2	133.2	134.1	136.1	137.0	138.0	138.0	138.0
45°	116.8	116.8	117.7	118.7	119.6	120.6	121.6	122.5	123.5	123.5	123.5
47.5°	105.2	105.2	106.1	106.1	107.1	108.1	109.0	109.0	110.0	111.0	110.0
50°	94.6	94.6	94.6	95.5	95.5	96.5	96.5	97.5	97.5	97.5	97.5
52.5°	83.9	83.9	83.9	83.9	84.9	84.9	84.9	85.9	85.9	85.9	85.9
55°	74.3	74.3	74.3	74.3	74.3	75.3	75.3	75.3	75.3	75.3	75.3
57.5°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
60°	56.9	56.9	56.9	56.9	56.9	56.0	56.9	56.9	56.9	56.9	56.9
62.5°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	49.2	49.2	49.2	49.2
65°	39.6	40.5	40.5	40.5	40.5	40.5	40.5	41.5	41.5	41.5	41.5
67.5°	31.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	33.8	33.8	33.8
70°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	26.1
72.5°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	18.3	18.3	18.3
75°	12.5	12.5	12.5	12.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6
77.5°	8.7	8.7	8.7	7.7	7.7	6.8	6.8	6.8	6.8	6.8	5.8
80°	4.8	4.8	4.8	4.8	4.8	3.9	3.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	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)