

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: P1445534

Luminaire Tested: P3ART13R709024DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

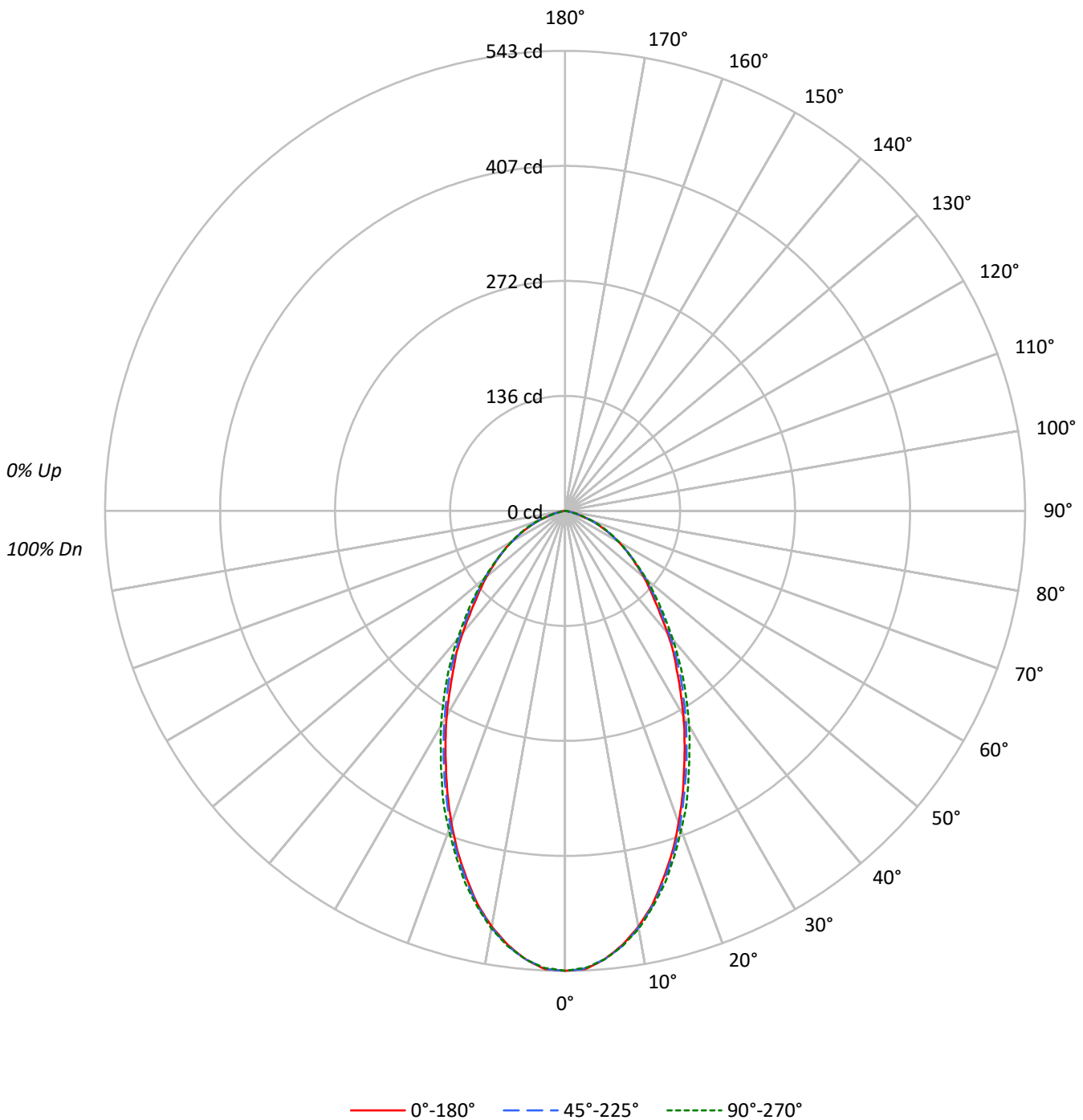
Test Method: LM-79-2019  
Report Number: P1445534  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709024DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 756.0 lumens  
Efficiency: N/A  
Efficacy: 51.8 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): 14.6  
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	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°	119026	119026	119026
5°	117015	117015	117015
10°	110953	111220	111488
15°	101885	102452	103292
20°	91451	92315	93481
25°	80472	81658	83473
30°	70745	72011	74189
35°	61569	63550	65210
40°	53786	55218	56620
45°	46392	47912	49090
50°	41346	42165	42608
55°	36395	36854	36854
60°	31971	31445	31971
65°	26306	26929	27603
70°	20580	20580	21414
75°	13640	12539	12539
80°	7829	6188	4672
85°	3019	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 49090 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.7	6.6
10°-20°	126.0	16.7
20°-30°	155.5	20.6
30°-40°	148.1	19.6
40°-50°	119.8	15.9
50°-60°	86.3	11.4
60°-70°	51.7	6.8
70°-80°	17.3	2.3
80°-90°	1.5	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°	331.2	43.8
0°-40°	479.4	63.4
0°-60°	685.5	90.7
0°-90°	756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	532	532	532	532	532	50
15°	449	450	451	453	455	125
25°	333	335	338	343	345	153
35°	230	232	237	242	244	145
45°	150	152	154	157	158	117
55°	95	95	96	96	96	86
65°	51	52	52	53	53	51
75°	16	16	15	15	15	18
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°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8
2°	541.5	541.5	541.5	541.5	541.5	541.5	541.5	541.5	541.5	541.5	540.3
2.5°	541.5	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	541.5	540.3
5°	531.6	531.6	531.6	531.6	531.6	531.6	531.6	531.6	532.9	531.6	531.6
7.5°	516.8	516.8	516.8	516.8	518.0	518.0	518.0	518.0	519.3	519.3	518.0
10°	498.3	498.3	498.3	498.3	499.5	499.5	500.7	499.5	499.5	500.7	500.7
12.5°	476.0	474.8	474.8	474.8	476.0	477.2	477.2	477.2	478.5	478.5	478.5
15°	448.8	448.8	448.8	450.0	450.0	451.3	452.5	452.5	453.8	453.8	455.0
17.5°	421.6	421.6	420.4	421.6	422.8	424.1	425.3	426.6	427.8	427.8	427.8
20°	391.9	390.7	391.9	393.2	394.4	395.6	396.9	399.4	400.6	400.6	400.6
22.5°	362.3	361.0	362.3	363.5	364.7	366.0	369.7	370.9	372.2	372.2	374.6
25°	332.6	332.6	333.8	335.1	336.3	337.5	340.0	342.5	343.7	345.0	345.0
27.5°	305.4	305.4	305.4	305.4	307.9	310.3	312.8	315.3	316.5	317.8	317.8
30°	279.4	278.2	278.2	279.4	281.9	284.4	286.8	289.3	290.6	291.8	293.0
32.5°	253.5	253.5	253.5	254.7	255.9	259.6	262.1	263.3	265.8	267.1	267.1
35°	230.0	230.0	230.0	232.4	234.9	237.4	238.6	241.1	243.6	243.6	243.6
37.5°	210.2	211.4	213.9	212.7	212.7	213.9	215.1	217.6	220.1	220.1	220.1
40°	187.9	189.2	190.4	189.2	190.4	192.9	194.1	195.3	196.6	197.8	197.8
42.5°	166.9	166.9	166.9	168.1	170.6	171.9	174.3	175.6	176.8	176.8	176.8
45°	149.6	149.6	150.8	152.1	153.3	154.5	155.8	157.0	158.3	158.3	158.3
47.5°	134.8	134.8	136.0	136.0	137.2	138.5	139.7	139.7	140.9	142.2	140.9
50°	121.2	121.2	121.2	122.4	122.4	123.6	123.6	124.9	124.9	124.9	124.9
52.5°	107.6	107.6	107.6	107.6	108.8	108.8	108.8	110.0	110.0	110.0	110.0
55°	95.2	95.2	95.2	95.2	95.2	96.4	96.4	96.4	96.4	96.4	96.4
57.5°	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
60°	72.9	72.9	72.9	72.9	72.9	71.7	72.9	72.9	72.9	72.9	72.9
62.5°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	63.1	63.1	63.1	63.1
65°	50.7	51.9	51.9	51.9	51.9	51.9	51.9	53.2	53.2	53.2	53.2
67.5°	40.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	43.3	43.3	43.3
70°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	33.4
72.5°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	23.5	23.5	23.5
75°	16.1	16.1	16.1	16.1	14.8	14.8	14.8	14.8	14.8	14.8	14.8
77.5°	11.1	11.1	11.1	9.9	9.9	8.7	8.7	8.7	8.7	8.7	7.4
80°	6.2	6.2	6.2	6.2	6.2	4.9	4.9	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	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)