

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: P1446418

Luminaire Tested: P3ART09R709727DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

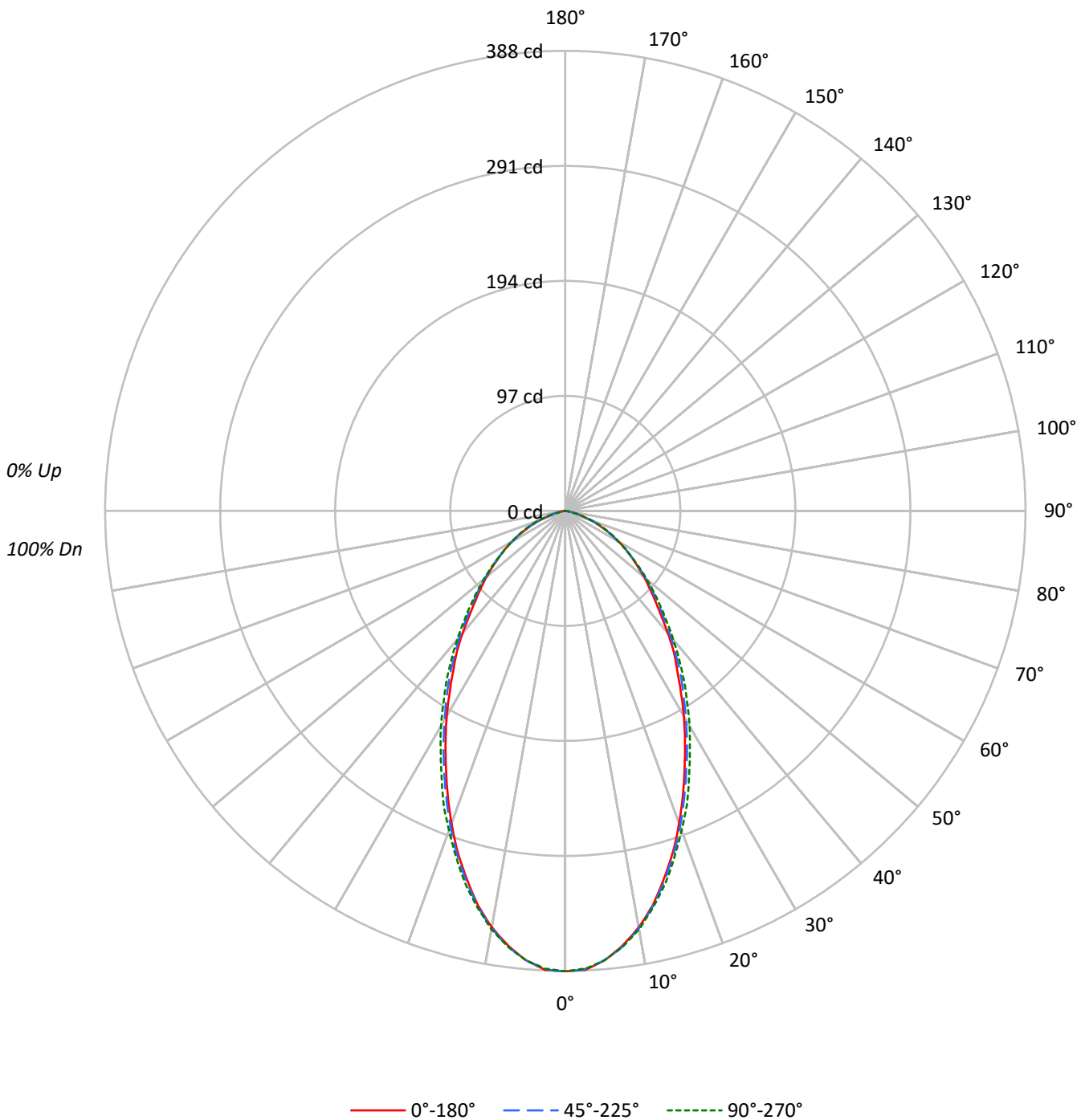
Test Method: LM-79-2019  
Report Number: P1446418  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709727DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 541.0 lumens  
Efficiency: N/A  
Efficacy: 48.7 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): 11.1  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

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

	0°	45°	90°
0°	85169	85169	85169
5°	83733	83733	83733
10°	79402	79580	79780
15°	72918	73303	73916
20°	65456	66062	66902
25°	57584	58431	59737
30°	50641	51527	53097
35°	44062	45481	46659
40°	38501	39503	40533
45°	33213	34298	35135
50°	29577	30191	30498
55°	26035	26379	26379
60°	22893	22498	22893
65°	18835	19302	19717
70°	14746	14746	15323
75°	9743	8981	8981
80°	5556	4420	3410
85°	2264	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 35135 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.6	6.6
10°-20°	90.2	16.7
20°-30°	111.2	20.6
30°-40°	106.0	19.6
40°-50°	85.8	15.9
50°-60°	61.8	11.4
60°-70°	37.0	6.8
70°-80°	12.4	2.3
80°-90°	1.1	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°	237.0	43.8
0°-40°	343.0	63.4
0°-60°	490.6	90.7
0°-90°	541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	541.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	388	388	388	388	388	
5°	380	380	380	381	380	36
15°	321	322	323	324	326	90
25°	238	240	242	245	247	110
35°	165	166	170	173	174	103
45°	107	109	111	113	113	83
55°	68	68	69	69	69	61
65°	36	37	37	38	38	36
75°	12	12	11	11	11	13
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°	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4
2°	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5	386.6
2.5°	387.5	386.6	386.6	386.6	386.6	386.6	386.6	386.6	386.6	387.5	386.6
5°	380.4	380.4	380.4	380.4	380.4	380.4	380.4	380.4	381.3	380.4	380.4
7.5°	369.8	369.8	369.8	369.8	370.7	370.7	370.7	370.7	371.6	371.6	370.7
10°	356.6	356.6	356.6	356.6	357.4	357.4	358.3	357.4	357.4	358.3	358.3
12.5°	340.6	339.8	339.8	339.8	340.6	341.5	341.5	341.5	342.4	342.4	342.4
15°	321.2	321.2	321.2	322.1	322.1	322.9	323.8	323.8	324.7	324.7	325.6
17.5°	301.7	301.7	300.8	301.7	302.6	303.5	304.4	305.2	306.1	306.1	306.1
20°	280.5	279.6	280.5	281.4	282.2	283.1	284.0	285.8	286.7	286.7	286.7
22.5°	259.2	258.4	259.2	260.1	261.0	261.9	264.5	265.4	266.3	266.3	268.1
25°	238.0	238.0	238.9	239.8	240.7	241.5	243.3	245.1	246.0	246.9	246.9
27.5°	218.5	218.5	218.5	218.5	220.3	222.1	223.8	225.6	226.5	227.4	227.4
30°	200.0	199.1	199.1	200.0	201.7	203.5	205.3	207.0	207.9	208.8	209.7
32.5°	181.4	181.4	181.4	182.3	183.1	185.8	187.6	188.5	190.2	191.1	191.1
35°	164.6	164.6	164.6	166.3	168.1	169.9	170.8	172.5	174.3	174.3	174.3
37.5°	150.4	151.3	153.1	152.2	152.2	153.1	153.9	155.7	157.5	157.5	157.5
40°	134.5	135.4	136.3	135.4	136.3	138.0	138.9	139.8	140.7	141.6	141.6
42.5°	119.4	119.4	119.4	120.3	122.1	123.0	124.8	125.6	126.5	126.5	126.5
45°	107.1	107.1	107.9	108.8	109.7	110.6	111.5	112.4	113.3	113.3	113.3
47.5°	96.4	96.4	97.3	97.3	98.2	99.1	100.0	100.0	100.9	101.7	100.9
50°	86.7	86.7	86.7	87.6	87.6	88.5	88.5	89.4	89.4	89.4	89.4
52.5°	77.0	77.0	77.0	77.0	77.9	77.9	77.9	78.7	78.7	78.7	78.7
55°	68.1	68.1	68.1	68.1	68.1	69.0	69.0	69.0	69.0	69.0	69.0
57.5°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
60°	52.2	52.2	52.2	52.2	52.2	51.3	52.2	52.2	52.2	52.2	52.2
62.5°	44.2	44.2	44.2	44.2	44.2	44.2	44.2	45.1	45.1	45.1	45.1
65°	36.3	37.2	37.2	37.2	37.2	37.2	37.2	38.0	38.0	38.0	38.0
67.5°	29.2	30.1	30.1	30.1	30.1	30.1	30.1	30.1	31.0	31.0	31.0
70°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.9
72.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	16.8	16.8	16.8
75°	11.5	11.5	11.5	11.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	8.0	8.0	8.0	7.1	7.1	6.2	6.2	6.2	6.2	6.2	5.3
80°	4.4	4.4	4.4	4.4	4.4	3.5	3.5	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	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)