

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: P1446132

Luminaire Tested: P3ART05R709040DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

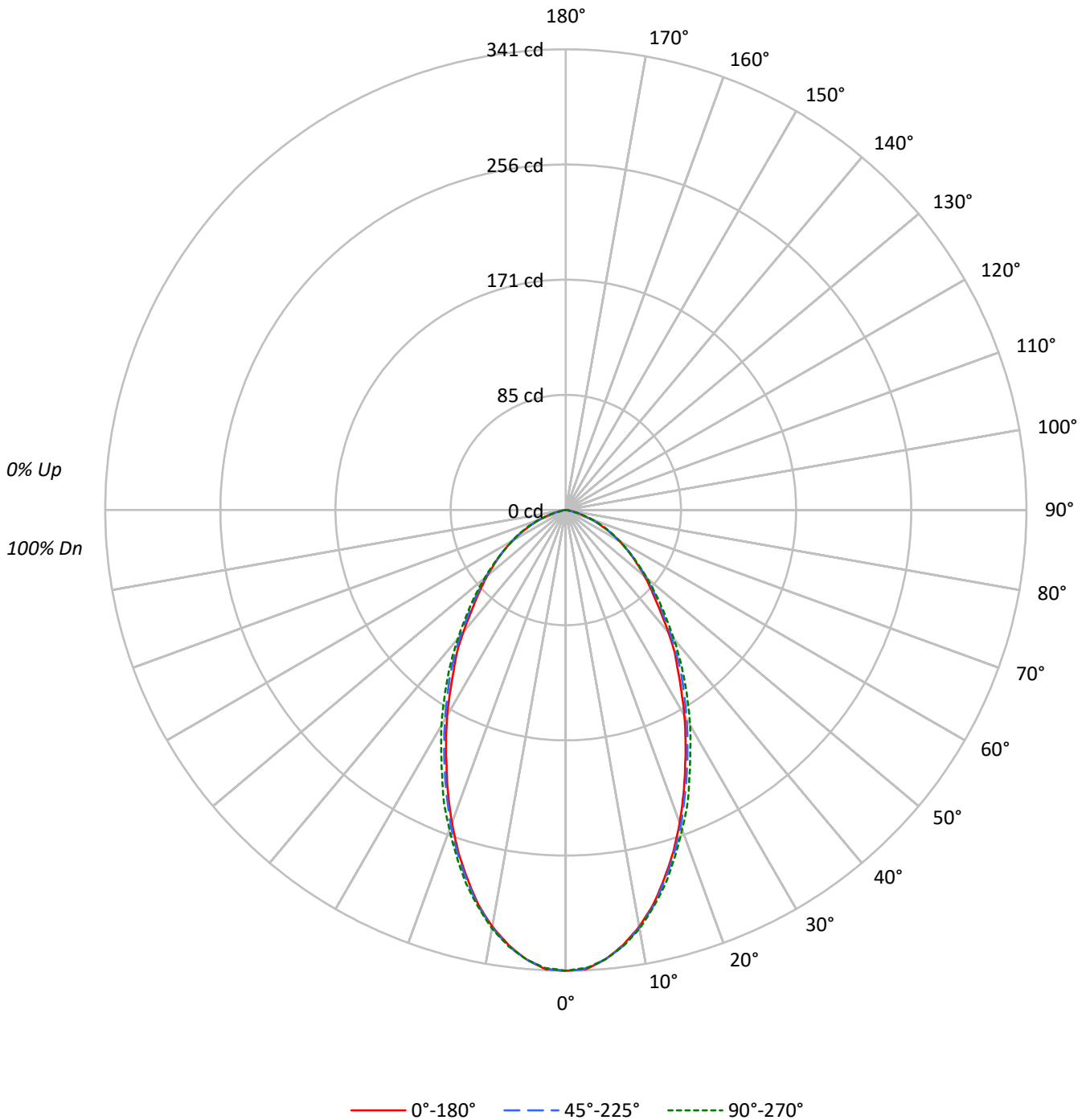
Test Method: LM-79-2019  
Report Number: P1446132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709040DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 475.0 lumens  
Efficiency: N/A  
Efficacy: 66.0 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): 7.2  
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	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°	74775	74775	74775
5°	73520	73520	73520
10°	69716	69872	70050
15°	64019	64359	64904
20°	57475	58012	58735
25°	50567	51317	52430
30°	44463	45247	46615
35°	38682	39940	40957
40°	33806	34694	35581
45°	29150	30112	30825
50°	25961	26507	26780
55°	22862	23168	23168
60°	20086	19779	20086
65°	16500	16915	17330
70°	12951	12951	13464
75°	8557	7879	7879
80°	4925	3915	2904
85°	2013	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 30825 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	6.6
10°-20°	79.2	16.7
20°-30°	97.7	20.6
30°-40°	93.1	19.6
40°-50°	75.3	15.9
50°-60°	54.2	11.4
60°-70°	32.5	6.8
70°-80°	10.9	2.3
80°-90°	0.9	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°	208.1	43.8
0°-40°	301.2	63.4
0°-60°	430.7	90.7
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	334	334	334	334	334	31
15°	282	283	284	284	286	79
25°	209	210	212	215	217	96
35°	144	146	149	152	153	91
45°	94	95	97	99	99	73
55°	60	60	61	61	61	54
65°	32	33	33	33	33	32
75°	10	10	9	9	9	11
85°	1	1	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°	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0
2°	340.3	340.3	340.3	340.3	340.3	340.3	340.3	340.3	340.3	340.3	339.5
2.5°	340.3	339.5	339.5	339.5	339.5	339.5	339.5	339.5	339.5	340.3	339.5
5°	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.8	334.0	334.0
7.5°	324.7	324.7	324.7	324.7	325.5	325.5	325.5	325.5	326.3	326.3	325.5
10°	313.1	313.1	313.1	313.1	313.8	313.8	314.6	313.8	313.8	314.6	314.6
12.5°	299.1	298.3	298.3	298.3	299.1	299.9	299.9	299.9	300.6	300.6	300.6
15°	282.0	282.0	282.0	282.8	282.8	283.5	284.3	284.3	285.1	285.1	285.9
17.5°	264.9	264.9	264.1	264.9	265.7	266.5	267.2	268.0	268.8	268.8	268.8
20°	246.3	245.5	246.3	247.0	247.8	248.6	249.4	250.9	251.7	251.7	251.7
22.5°	227.6	226.8	227.6	228.4	229.2	229.9	232.3	233.0	233.8	233.8	235.4
25°	209.0	209.0	209.7	210.5	211.3	212.1	213.6	215.2	216.0	216.7	216.7
27.5°	191.9	191.9	191.9	191.9	193.4	195.0	196.5	198.1	198.9	199.6	199.6
30°	175.6	174.8	174.8	175.6	177.1	178.7	180.2	181.8	182.6	183.3	184.1
32.5°	159.2	159.2	159.2	160.0	160.8	163.1	164.7	165.5	167.0	167.8	167.8
35°	144.5	144.5	144.5	146.0	147.6	149.2	149.9	151.5	153.0	153.0	153.0
37.5°	132.1	132.8	134.4	133.6	133.6	134.4	135.2	136.7	138.3	138.3	138.3
40°	118.1	118.9	119.6	118.9	119.6	121.2	122.0	122.7	123.5	124.3	124.3
42.5°	104.9	104.9	104.9	105.6	107.2	108.0	109.5	110.3	111.1	111.1	111.1
45°	94.0	94.0	94.8	95.5	96.3	97.1	97.9	98.7	99.4	99.4	99.4
47.5°	84.7	84.7	85.5	85.5	86.2	87.0	87.8	87.8	88.6	89.3	88.6
50°	76.1	76.1	76.1	76.9	76.9	77.7	77.7	78.5	78.5	78.5	78.5
52.5°	67.6	67.6	67.6	67.6	68.4	68.4	68.4	69.1	69.1	69.1	69.1
55°	59.8	59.8	59.8	59.8	59.8	60.6	60.6	60.6	60.6	60.6	60.6
57.5°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
60°	45.8	45.8	45.8	45.8	45.8	45.1	45.8	45.8	45.8	45.8	45.8
62.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	39.6	39.6	39.6	39.6
65°	31.8	32.6	32.6	32.6	32.6	32.6	32.6	33.4	33.4	33.4	33.4
67.5°	25.6	26.4	26.4	26.4	26.4	26.4	26.4	26.4	27.2	27.2	27.2
70°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	21.0
72.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.8	14.8	14.8
75°	10.1	10.1	10.1	10.1	9.3	9.3	9.3	9.3	9.3	9.3	9.3
77.5°	7.0	7.0	7.0	6.2	6.2	5.4	5.4	5.4	5.4	5.4	4.7
80°	3.9	3.9	3.9	3.9	3.9	3.1	3.1	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)