

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: P1446590

Luminaire Tested: P3ART13R709735DE010 E3LDWW1WMH

Issue Date: 5/8/2026

**Test Information**

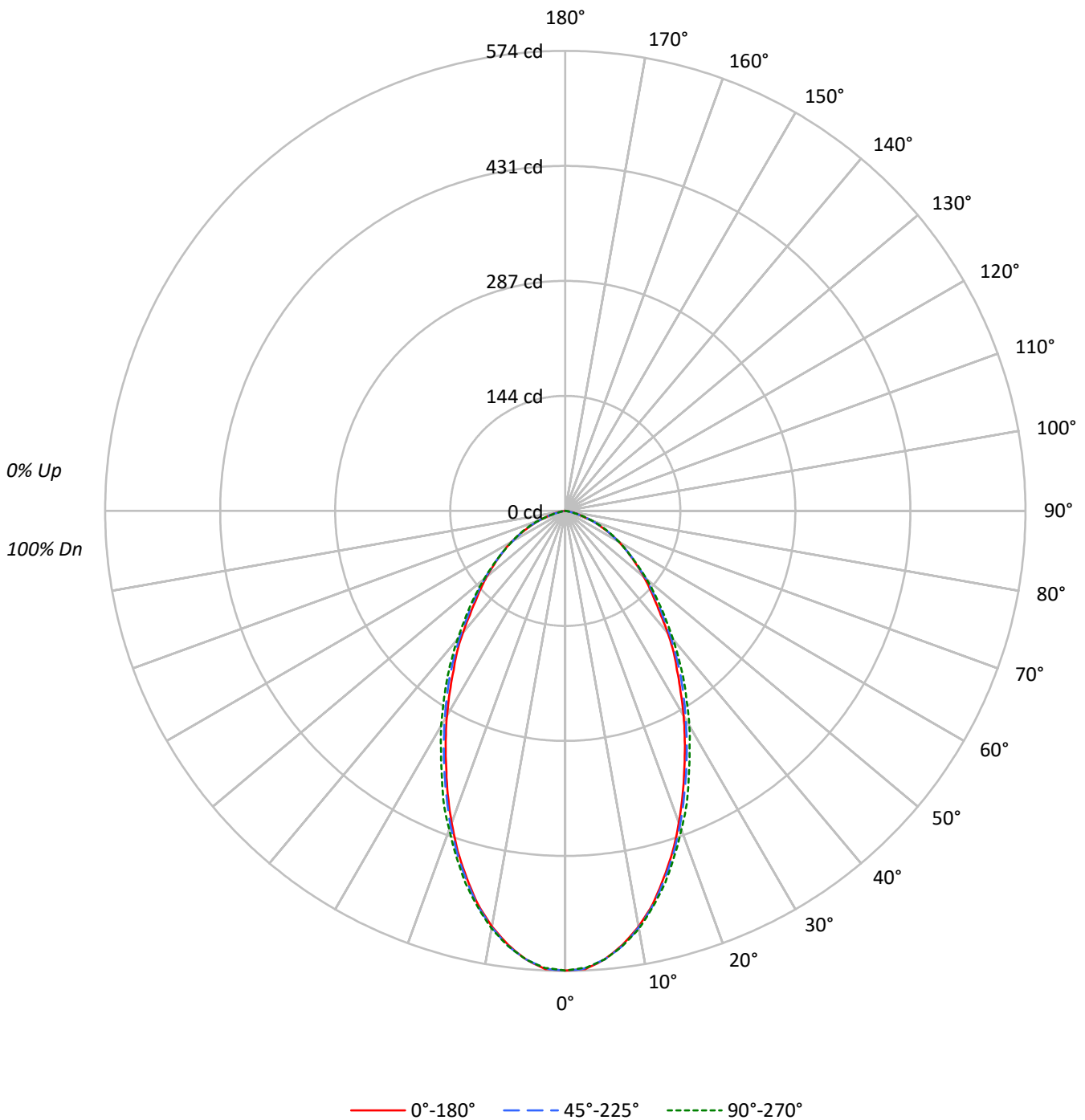
Test Method: LM-79-2019  
Report Number: P1446590  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709735DE010 E3LDWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LDWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 799.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 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): 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
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°	125779	125779	125779
5°	123684	123684	123684
10°	117255	117544	117833
15°	107674	108264	109172
20°	96655	97565	98802
25°	85045	86303	88215
30°	74771	76088	78417
35°	65049	67164	68904
40°	56849	58338	59855
45°	49028	50641	51881
50°	43700	44587	45031
55°	38460	38957	38957
60°	33813	33243	33813
65°	27811	28486	29160
70°	21799	21799	22632
75°	14403	13302	13302
80°	8208	6566	4925
85°	3271	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 51881 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.6	6.6
10°-20°	133.2	16.7
20°-30°	164.3	20.6
30°-40°	156.6	19.6
40°-50°	126.7	15.9
50°-60°	91.2	11.4
60°-70°	54.6	6.8
70°-80°	18.3	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°	350.1	43.8
0°-40°	506.6	63.4
0°-60°	724.5	90.7
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	574	574	574	574	574	
5°	562	562	562	562	562	52
15°	474	475	477	479	481	133
25°	352	354	357	362	365	162
35°	243	245	251	255	257	153
45°	158	160	163	166	167	123
55°	101	101	102	102	102	91
65°	54	55	55	56	56	54
75°	17	17	16	16	16	19
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°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	571.0
2.5°	572.3	571.0	571.0	571.0	571.0	571.0	571.0	571.0	571.0	572.3	571.0
5°	561.9	561.9	561.9	561.9	561.9	561.9	561.9	561.9	563.2	561.9	561.9
7.5°	546.2	546.2	546.2	546.2	547.5	547.5	547.5	547.5	548.8	548.8	547.5
10°	526.6	526.6	526.6	526.6	527.9	527.9	529.2	527.9	527.9	529.2	529.2
12.5°	503.1	501.8	501.8	501.8	503.1	504.4	504.4	504.4	505.7	505.7	505.7
15°	474.3	474.3	474.3	475.6	475.6	476.9	478.3	478.3	479.6	479.6	480.9
17.5°	445.6	445.6	444.3	445.6	446.9	448.2	449.5	450.8	452.1	452.1	452.1
20°	414.2	412.9	414.2	415.5	416.8	418.1	419.5	422.1	423.4	423.4	423.4
22.5°	382.9	381.6	382.9	384.2	385.5	386.8	390.7	392.0	393.3	393.3	395.9
25°	351.5	351.5	352.8	354.1	355.4	356.7	359.3	362.0	363.3	364.6	364.6
27.5°	322.8	322.8	322.8	322.8	325.4	328.0	330.6	333.2	334.5	335.8	335.8
30°	295.3	294.0	294.0	295.3	297.9	300.5	303.2	305.8	307.1	308.4	309.7
32.5°	267.9	267.9	267.9	269.2	270.5	274.4	277.0	278.3	280.9	282.2	282.2
35°	243.0	243.0	243.0	245.7	248.3	250.9	252.2	254.8	257.4	257.4	257.4
37.5°	222.1	223.4	226.1	224.8	224.8	226.1	227.4	230.0	232.6	232.6	232.6
40°	198.6	199.9	201.2	199.9	201.2	203.8	205.2	206.5	207.8	209.1	209.1
42.5°	176.4	176.4	176.4	177.7	180.3	181.6	184.2	185.6	186.9	186.9	186.9
45°	158.1	158.1	159.4	160.7	162.0	163.3	164.6	166.0	167.3	167.3	167.3
47.5°	142.4	142.4	143.7	143.7	145.0	146.4	147.7	147.7	149.0	150.3	149.0
50°	128.1	128.1	128.1	129.4	129.4	130.7	130.7	132.0	132.0	132.0	132.0
52.5°	113.7	113.7	113.7	113.7	115.0	115.0	115.0	116.3	116.3	116.3	116.3
55°	100.6	100.6	100.6	100.6	100.6	101.9	101.9	101.9	101.9	101.9	101.9
57.5°	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
60°	77.1	77.1	77.1	77.1	77.1	75.8	77.1	77.1	77.1	77.1	77.1
62.5°	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.6	66.6	66.6	66.6
65°	53.6	54.9	54.9	54.9	54.9	54.9	54.9	56.2	56.2	56.2	56.2
67.5°	43.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	45.7	45.7	45.7
70°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	35.3
72.5°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	24.8	24.8	24.8
75°	17.0	17.0	17.0	17.0	15.7	15.7	15.7	15.7	15.7	15.7	15.7
77.5°	11.8	11.8	11.8	10.5	10.5	9.1	9.1	9.1	9.1	9.1	7.8
80°	6.5	6.5	6.5	6.5	6.5	5.2	5.2	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3	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)