

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: P1446351

Luminaire Tested: P3ART17R709727DE010 E3LDWW1GPH

Issue Date: 5/8/2026

**Test Information**

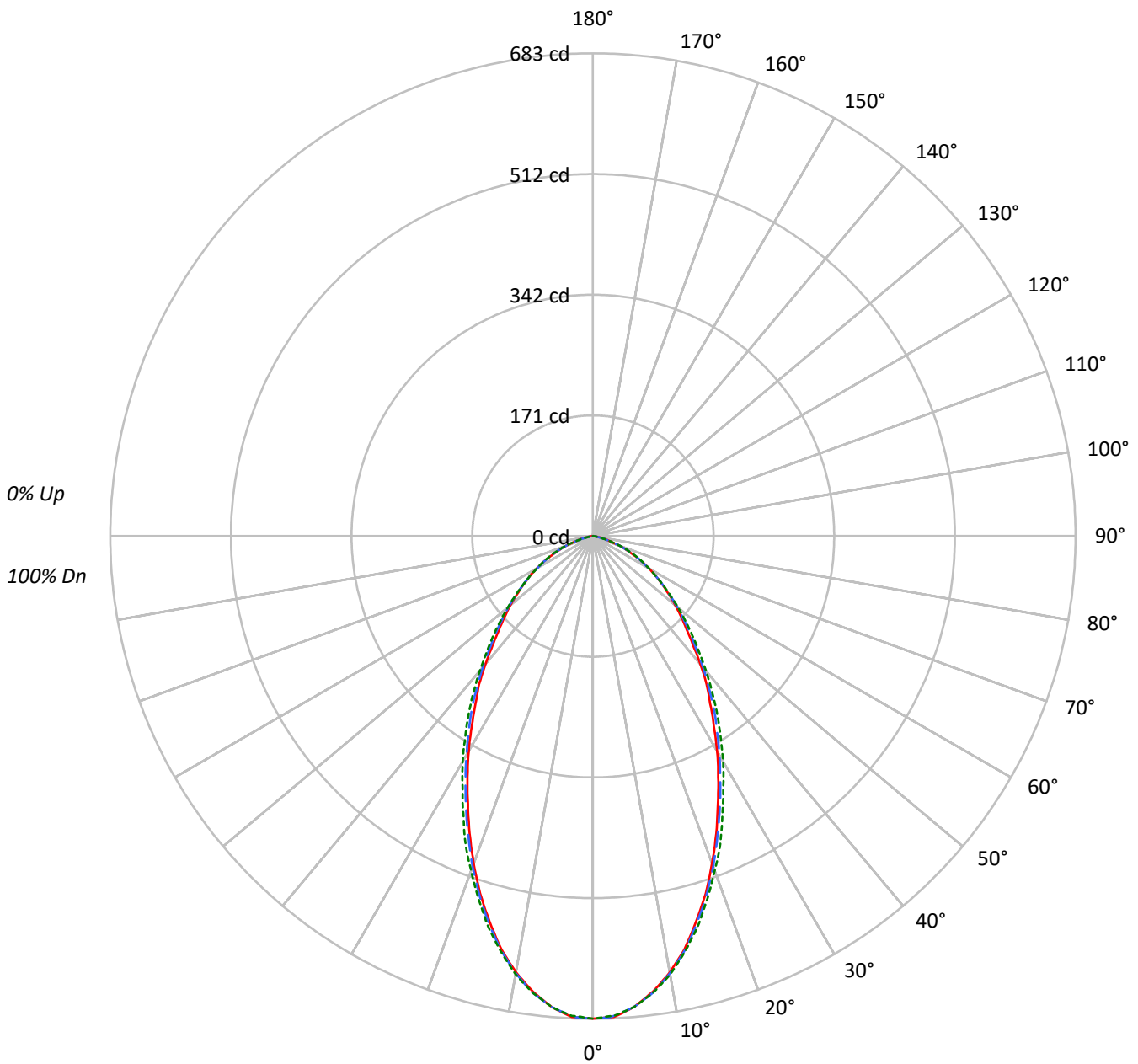
Test Method: LM-79-2019  
Report Number: P1446351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709727DE010 E3LDWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LDWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 951.0 lumens  
Efficiency: N/A  
Efficacy: 44.9 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): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	149725	149725	149725
5°	147215	147215	147215
10°	139565	139899	140256
15°	128173	128877	129921
20°	115043	116140	117587
25°	101232	102732	104982
30°	89001	90571	93331
35°	77443	79933	82021
40°	67670	69444	71219
45°	58363	60285	61743
50°	51990	53047	53593
55°	45800	46373	46373
60°	40260	39558	40260
65°	33103	33882	34712
70°	25902	25902	26928
75°	17114	15843	15843
80°	9850	7829	5935
85°	4026	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 61743 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.6	6.6
10°-20°	158.6	16.7
20°-30°	195.6	20.6
30°-40°	186.3	19.6
40°-50°	150.8	15.9
50°-60°	108.6	11.4
60°-70°	65.0	6.8
70°-80°	21.8	2.3
80°-90°	1.9	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°	416.7	43.8
0°-40°	603.0	63.4
0°-60°	862.4	90.7
0°-90°	951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	683	683	683	683	683	
5°	669	669	669	669	669	62
15°	565	566	568	570	572	158
25°	418	421	425	431	434	193
35°	289	292	299	304	306	182
45°	188	191	194	198	199	147
55°	120	120	121	121	121	108
65°	64	65	65	67	67	64
75°	20	20	19	19	19	23
85°	2	2	0	0	0	3
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°	682.8	682.8	682.8	682.8	682.8	682.8	682.8	682.8	682.8	682.8	682.8
2°	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	679.7
2.5°	681.2	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	681.2	679.7
5°	668.8	668.8	668.8	668.8	668.8	668.8	668.8	668.8	670.3	668.8	668.8
7.5°	650.1	650.1	650.1	650.1	651.7	651.7	651.7	651.7	653.2	653.2	651.7
10°	626.8	626.8	626.8	626.8	628.3	628.3	629.9	628.3	628.3	629.9	629.9
12.5°	598.8	597.2	597.2	597.2	598.8	600.3	600.3	600.3	601.9	601.9	601.9
15°	564.6	564.6	564.6	566.1	566.1	567.7	569.2	569.2	570.8	570.8	572.3
17.5°	530.4	530.4	528.8	530.4	531.9	533.5	535.0	536.6	538.1	538.1	538.1
20°	493.0	491.5	493.0	494.6	496.1	497.7	499.2	502.4	503.9	503.9	503.9
22.5°	455.7	454.1	455.7	457.3	458.8	460.4	465.0	466.6	468.1	468.1	471.3
25°	418.4	418.4	419.9	421.5	423.0	424.6	427.7	430.8	432.4	433.9	433.9
27.5°	384.2	384.2	384.2	384.2	387.3	390.4	393.5	396.6	398.2	399.7	399.7
30°	351.5	349.9	349.9	351.5	354.6	357.7	360.8	363.9	365.5	367.0	368.6
32.5°	318.8	318.8	318.8	320.4	321.9	326.6	329.7	331.3	334.4	335.9	335.9
35°	289.3	289.3	289.3	292.4	295.5	298.6	300.2	303.3	306.4	306.4	306.4
37.5°	264.4	266.0	269.1	267.5	267.5	269.1	270.6	273.7	276.8	276.8	276.8
40°	236.4	238.0	239.5	238.0	239.5	242.6	244.2	245.7	247.3	248.8	248.8
42.5°	210.0	210.0	210.0	211.5	214.6	216.2	219.3	220.9	222.4	222.4	222.4
45°	188.2	188.2	189.7	191.3	192.9	194.4	196.0	197.5	199.1	199.1	199.1
47.5°	169.5	169.5	171.1	171.1	172.6	174.2	175.7	175.7	177.3	178.9	177.3
50°	152.4	152.4	152.4	154.0	154.0	155.5	155.5	157.1	157.1	157.1	157.1
52.5°	135.3	135.3	135.3	135.3	136.9	136.9	136.9	138.4	138.4	138.4	138.4
55°	119.8	119.8	119.8	119.8	119.8	121.3	121.3	121.3	121.3	121.3	121.3
57.5°	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
60°	91.8	91.8	91.8	91.8	91.8	90.2	91.8	91.8	91.8	91.8	91.8
62.5°	77.8	77.8	77.8	77.8	77.8	77.8	77.8	79.3	79.3	79.3	79.3
65°	63.8	65.3	65.3	65.3	65.3	65.3	65.3	66.9	66.9	66.9	66.9
67.5°	51.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	54.4	54.4	54.4
70°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	42.0
72.5°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	29.6	29.6	29.6
75°	20.2	20.2	20.2	20.2	18.7	18.7	18.7	18.7	18.7	18.7	18.7
77.5°	14.0	14.0	14.0	12.4	12.4	10.9	10.9	10.9	10.9	10.9	9.3
80°	7.8	7.8	7.8	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	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)