

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: P1445923

Luminaire Tested: P3ART13R709035DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

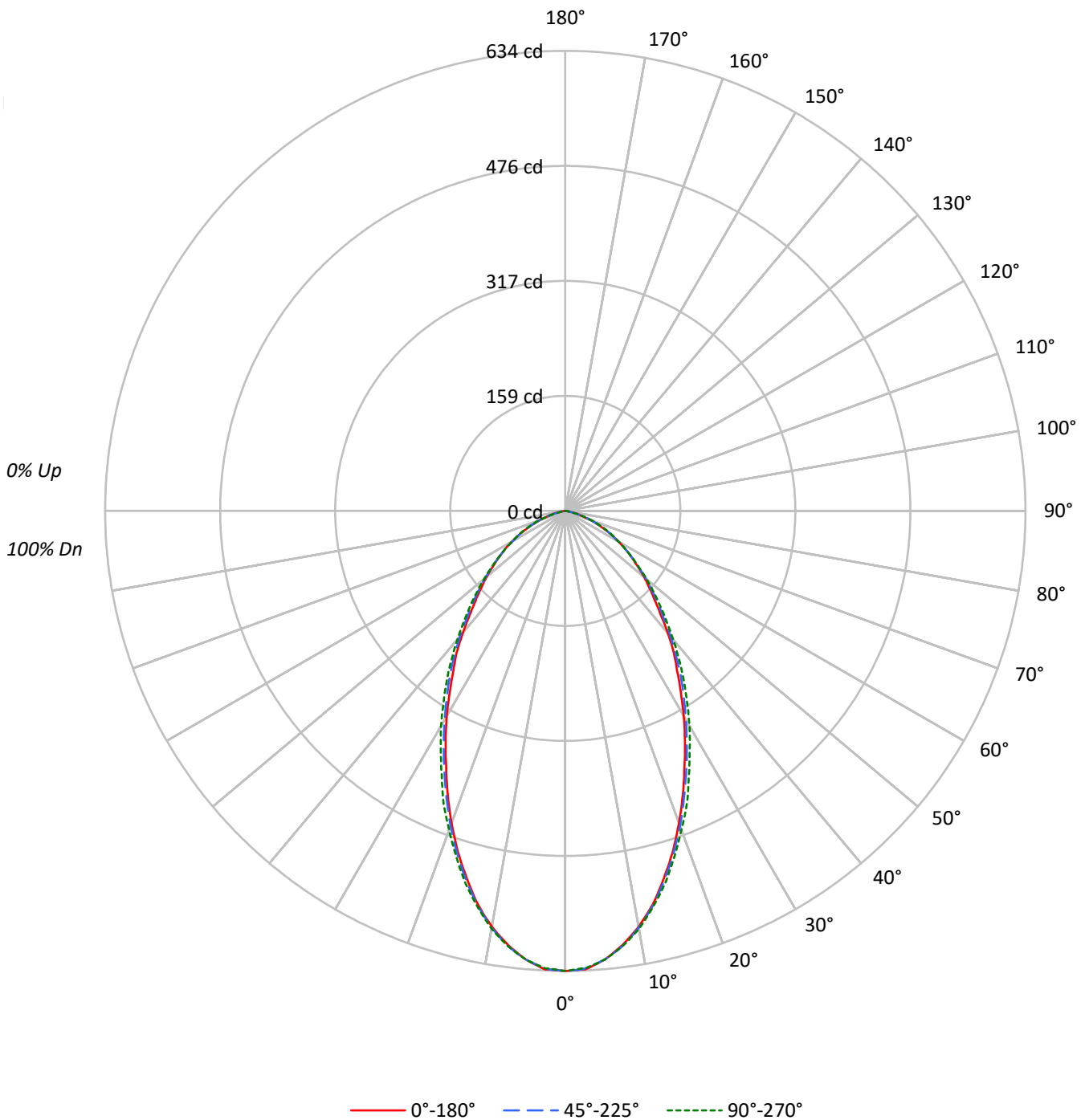
Test Method: LM-79-2019  
Report Number: P1445923  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709035DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 883.0 lumens  
Efficiency: N/A  
Efficacy: 60.5 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	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°	139024	139024	139024
5°	136693	136693	136693
10°	129590	129902	130236
15°	119002	119660	120636
20°	106829	107833	109186
25°	93997	95376	97481
30°	82646	84089	86646
35°	71902	74231	76158
40°	62832	64492	66153
45°	54176	55975	57308
50°	48271	49261	49772
55°	42512	43047	43047
60°	37365	36751	37365
65°	30717	31495	32221
70°	24043	24043	25004
75°	15928	14657	14657
80°	9092	7324	5430
85°	3522	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 57308 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.1	6.6
10°-20°	147.2	16.7
20°-30°	181.6	20.6
30°-40°	173.0	19.6
40°-50°	140.0	15.9
50°-60°	100.8	11.4
60°-70°	60.4	6.8
70°-80°	20.2	2.3
80°-90°	1.7	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°	386.9	43.8
0°-40°	559.9	63.4
0°-60°	800.7	90.7
0°-90°	883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	621	621	621	621	621	58
15°	524	525	527	529	531	146
25°	388	391	394	400	403	179
35°	269	271	277	282	284	169
45°	175	177	180	184	185	136
55°	111	111	113	113	113	100
65°	59	61	61	62	62	59
75°	19	19	17	17	17	21
85°	1	1	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°	634.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0
2°	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5	631.1
2.5°	632.5	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	632.5	631.1
5°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	622.4	621.0	621.0
7.5°	603.6	603.6	603.6	603.6	605.1	605.1	605.1	605.1	606.5	606.5	605.1
10°	582.0	582.0	582.0	582.0	583.4	583.4	584.9	583.4	583.4	584.9	584.9
12.5°	556.0	554.5	554.5	554.5	556.0	557.4	557.4	557.4	558.9	558.9	558.9
15°	524.2	524.2	524.2	525.6	525.6	527.1	528.5	528.5	530.0	530.0	531.4
17.5°	492.4	492.4	491.0	492.4	493.9	495.3	496.8	498.2	499.7	499.7	499.7
20°	457.8	456.3	457.8	459.2	460.7	462.1	463.6	466.4	467.9	467.9	467.9
22.5°	423.1	421.7	423.1	424.6	426.0	427.4	431.8	433.2	434.7	434.7	437.6
25°	388.5	388.5	389.9	391.3	392.8	394.2	397.1	400.0	401.5	402.9	402.9
27.5°	356.7	356.7	356.7	356.7	359.6	362.5	365.4	368.2	369.7	371.1	371.1
30°	326.4	324.9	324.9	326.4	329.3	332.1	335.0	337.9	339.4	340.8	342.2
32.5°	296.0	296.0	296.0	297.5	298.9	303.3	306.1	307.6	310.5	311.9	311.9
35°	268.6	268.6	268.6	271.5	274.4	277.3	278.7	281.6	284.5	284.5	284.5
37.5°	245.5	246.9	249.8	248.4	248.4	249.8	251.3	254.2	257.0	257.0	257.0
40°	219.5	220.9	222.4	220.9	222.4	225.3	226.7	228.2	229.6	231.1	231.1
42.5°	195.0	195.0	195.0	196.4	199.3	200.7	203.6	205.1	206.5	206.5	206.5
45°	174.7	174.7	176.2	177.6	179.1	180.5	182.0	183.4	184.8	184.8	184.8
47.5°	157.4	157.4	158.8	158.8	160.3	161.7	163.2	163.2	164.6	166.1	164.6
50°	141.5	141.5	141.5	143.0	143.0	144.4	144.4	145.9	145.9	145.9	145.9
52.5°	125.6	125.6	125.6	125.6	127.1	127.1	127.1	128.5	128.5	128.5	128.5
55°	111.2	111.2	111.2	111.2	111.2	112.6	112.6	112.6	112.6	112.6	112.6
57.5°	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
60°	85.2	85.2	85.2	85.2	85.2	83.8	85.2	85.2	85.2	85.2	85.2
62.5°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	73.6	73.6	73.6	73.6
65°	59.2	60.7	60.7	60.7	60.7	60.7	60.7	62.1	62.1	62.1	62.1
67.5°	47.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	50.5	50.5	50.5
70°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	39.0
72.5°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	27.4	27.4	27.4
75°	18.8	18.8	18.8	18.8	17.3	17.3	17.3	17.3	17.3	17.3	17.3
77.5°	13.0	13.0	13.0	11.6	11.6	10.1	10.1	10.1	10.1	10.1	8.7
80°	7.2	7.2	7.2	7.2	7.2	5.8	5.8	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4	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)