

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: P#

Luminaire Tested: P3ART20R709027D010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

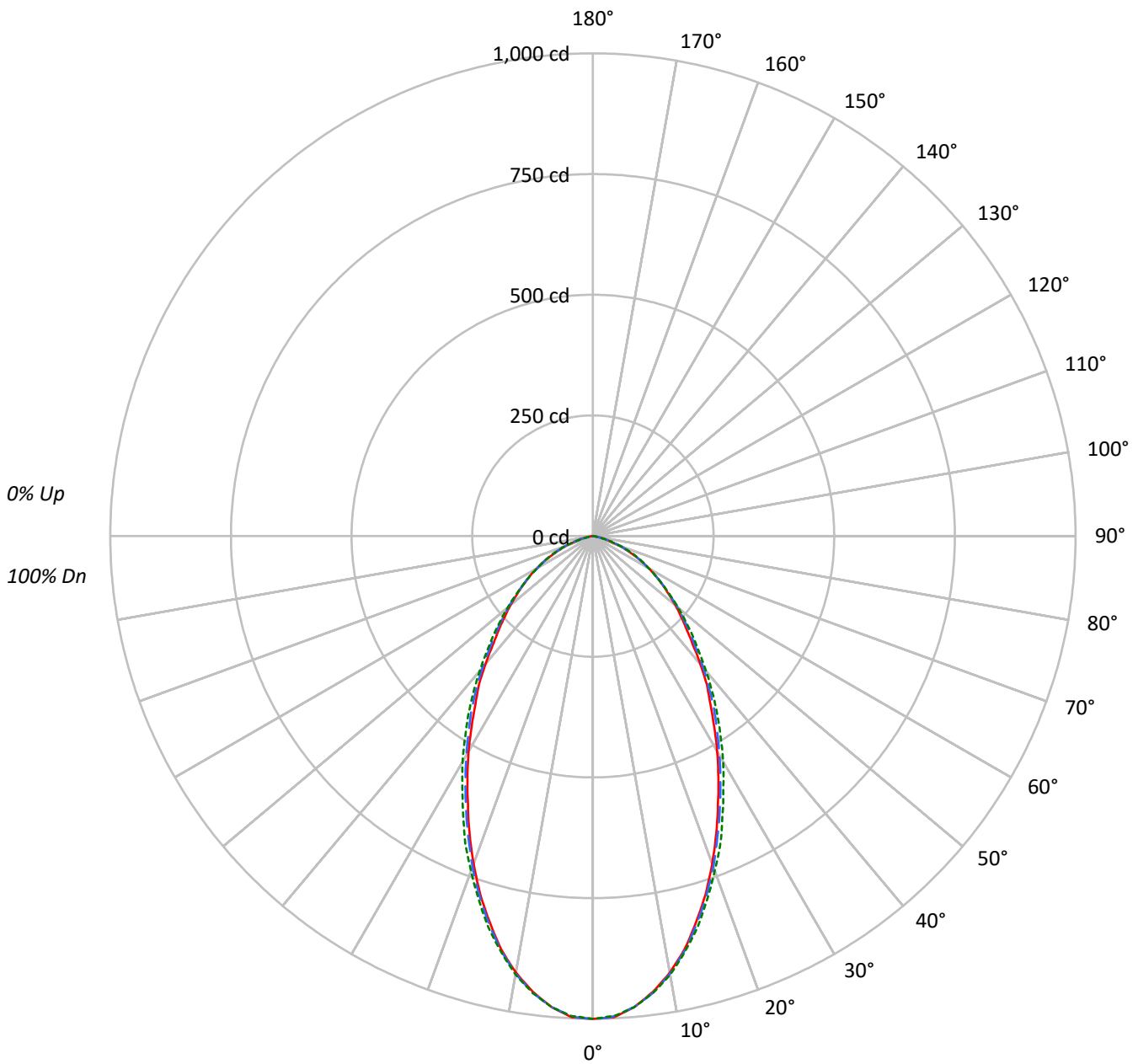
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART20R709027D010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1393.0 lumens  
Efficiency: N/A  
Efficacy: 48.4 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): 28.8  
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



— 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	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°	219303	219303	219303
5°	215628	215628	215628
10°	204427	204939	205452
15°	187742	188764	190330
20°	168528	170115	172238
25°	148267	150468	153783
30°	130374	132679	136705
35°	113421	117089	120140
40°	99129	101733	104338
45°	85497	88319	90428
50°	76177	77712	78496
55°	67056	67935	67935
60°	58943	57934	58943
65°	48462	49655	50849
70°	37955	37955	39430
75°	25078	23130	23130
80°	14396	11491	8587
85°	5787	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 90428 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.6	6.6
10°-20°	232.2	16.7
20°-30°	286.4	20.6
30°-40°	272.9	19.6
40°-50°	220.8	15.9
50°-60°	159.1	11.4
60°-70°	95.2	6.8
70°-80°	31.9	2.3
80°-90°	2.7	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°	610.3	43.8
0°-40°	883.3	63.4
0°-60°	1263.1	90.7
0°-90°	1393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1393.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	980	980	980	980	980	92
15°	827	829	832	834	838	231
25°	613	617	622	632	636	282
35°	424	427	437	445	449	266
45°	276	280	285	290	292	215
55°	175	175	178	178	178	158
65°	93	96	96	98	98	94
75°	30	30	27	27	27	33
85°	2	2	0	0	0	4
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°	1000.1	1000.1	1000.1	1000.1	1000.1	1000.1	1000.1	1000.1	1000.1	1000.1	1000.1
2°	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	995.6
2.5°	997.8	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	997.8	995.6
5°	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	981.9	979.6	979.6
7.5°	952.3	952.3	952.3	952.3	954.5	954.5	954.5	954.5	956.8	956.8	954.5
10°	918.1	918.1	918.1	918.1	920.4	920.4	922.7	920.4	920.4	922.7	922.7
12.5°	877.1	874.8	874.8	874.8	877.1	879.4	879.4	879.4	881.6	881.6	881.6
15°	827.0	827.0	827.0	829.2	829.2	831.5	833.8	833.8	836.1	836.1	838.4
17.5°	776.9	776.9	774.6	776.9	779.1	781.4	783.7	786.0	788.2	788.2	788.2
20°	722.2	719.9	722.2	724.5	726.7	729.0	731.3	735.8	738.1	738.1	738.1
22.5°	667.5	665.2	667.5	669.8	672.1	674.3	681.2	683.4	685.7	685.7	690.3
25°	612.8	612.8	615.1	617.4	619.7	621.9	626.5	631.0	633.3	635.6	635.6
27.5°	562.7	562.7	562.7	562.7	567.3	571.8	576.4	580.9	583.2	585.5	585.5
30°	514.9	512.6	512.6	514.9	519.4	524.0	528.5	533.1	535.4	537.6	539.9
32.5°	467.0	467.0	467.0	469.3	471.6	478.4	483.0	485.2	489.8	492.1	492.1
35°	423.7	423.7	423.7	428.3	432.8	437.4	439.7	444.2	448.8	448.8	448.8
37.5°	387.3	389.6	394.1	391.8	391.8	394.1	396.4	401.0	405.5	405.5	405.5
40°	346.3	348.6	350.8	348.6	350.8	355.4	357.7	359.9	362.2	364.5	364.5
42.5°	307.6	307.6	307.6	309.8	314.4	316.7	321.2	323.5	325.8	325.8	325.8
45°	275.7	275.7	277.9	280.2	282.5	284.8	287.0	289.3	291.6	291.6	291.6
47.5°	248.3	248.3	250.6	250.6	252.9	255.2	257.4	257.4	259.7	262.0	259.7
50°	223.3	223.3	223.3	225.5	225.5	227.8	227.8	230.1	230.1	230.1	230.1
52.5°	198.2	198.2	198.2	198.2	200.5	200.5	200.5	202.8	202.8	202.8	202.8
55°	175.4	175.4	175.4	175.4	175.4	177.7	177.7	177.7	177.7	177.7	177.7
57.5°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9
60°	134.4	134.4	134.4	134.4	134.4	132.1	134.4	134.4	134.4	134.4	134.4
62.5°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	116.2	116.2	116.2	116.2
65°	93.4	95.7	95.7	95.7	95.7	95.7	95.7	98.0	98.0	98.0	98.0
67.5°	75.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	79.7	79.7	79.7
70°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	61.5
72.5°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	43.3	43.3	43.3
75°	29.6	29.6	29.6	29.6	27.3	27.3	27.3	27.3	27.3	27.3	27.3
77.5°	20.5	20.5	20.5	18.2	18.2	15.9	15.9	15.9	15.9	15.9	13.7
80°	11.4	11.4	11.4	11.4	11.4	9.1	9.1	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	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)