

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: P3ART13R709030D2WDE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

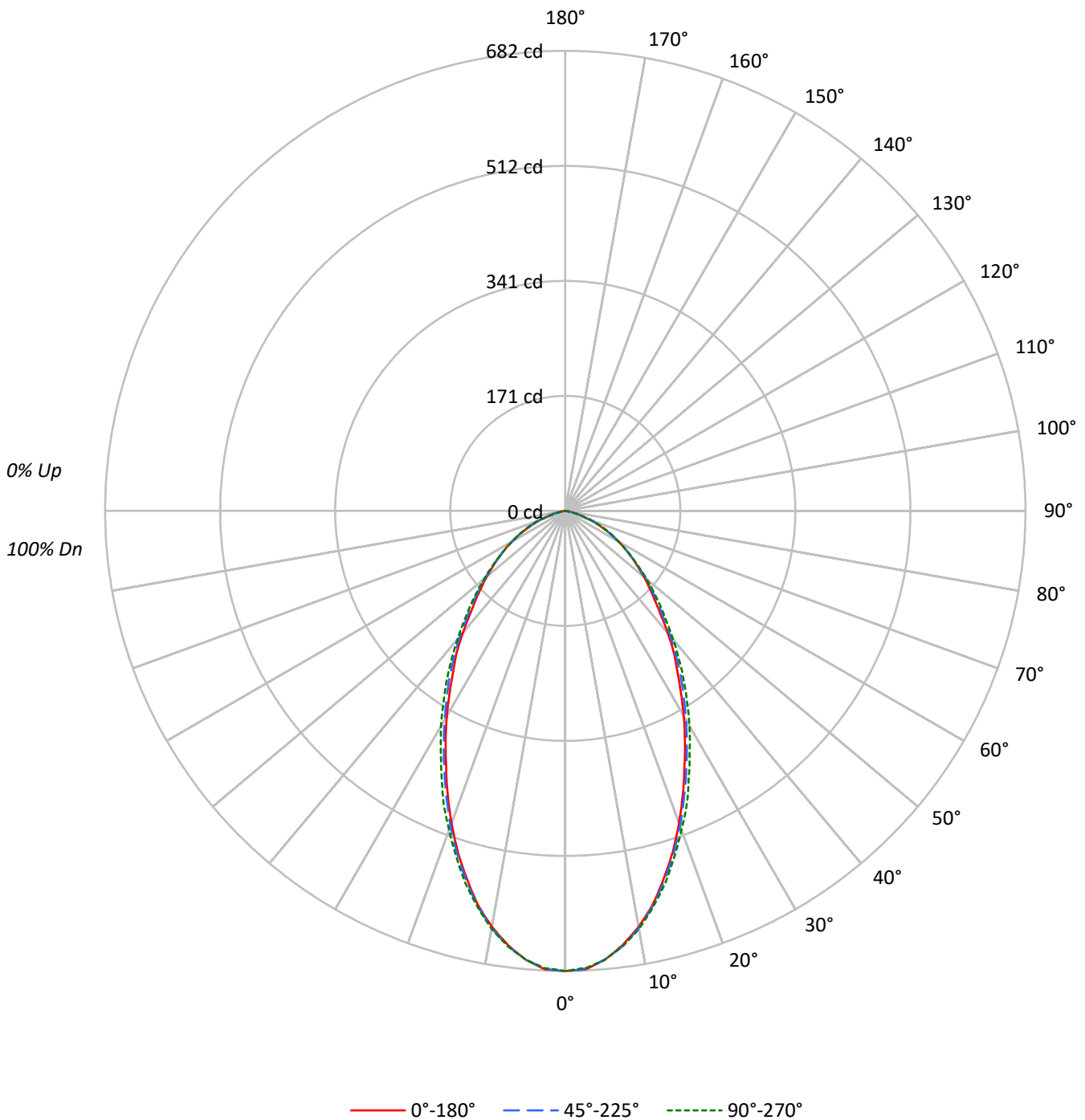
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709030D2WDE010 E3CLDWW1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 950.0 lumens  
Efficiency: N/A  
Efficacy: 47.3 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): 20.1  
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°	149571	149571	149571
5°	147061	147061	147061
10°	139410	139766	140100
15°	128037	128741	129785
20°	114927	116023	117470
25°	101111	102611	104885
30°	88900	90470	93230
35°	77363	79853	81941
40°	67612	69387	71162
45°	58301	60223	61681
50°	51956	53013	53525
55°	45724	46335	46335
60°	40216	39514	40216
65°	33052	33882	34660
70°	25902	25902	26864
75°	17114	15759	15759
80°	9850	7829	5935
85°	4026	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°

Vertical Angle: 45°

Luminance: 61681 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	6.6
10°-20°	158.4	16.7
20°-30°	195.4	20.6
30°-40°	186.2	19.6
40°-50°	150.6	15.9
50°-60°	108.5	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°	416.2	43.8
0°-40°	602.4	63.4
0°-60°	861.5	90.7
0°-90°	950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	668	668	668	668	668	62
15°	564	565	567	569	572	158
25°	418	421	424	431	434	192
35°	289	291	298	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°	682.1	682.1	682.1	682.1	682.1	682.1	682.1	682.1	682.1	682.1	682.1
2°	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	678.9
2.5°	680.5	678.9	678.9	678.9	678.9	678.9	678.9	678.9	678.9	680.5	678.9
5°	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1	669.6	668.1	668.1
7.5°	649.4	649.4	649.4	649.4	651.0	651.0	651.0	651.0	652.5	652.5	651.0
10°	626.1	626.1	626.1	626.1	627.7	627.7	629.2	627.7	627.7	629.2	629.2
12.5°	598.2	596.6	596.6	596.6	598.2	599.7	599.7	599.7	601.3	601.3	601.3
15°	564.0	564.0	564.0	565.5	565.5	567.1	568.6	568.6	570.2	570.2	571.7
17.5°	529.8	529.8	528.2	529.8	531.4	532.9	534.5	536.0	537.6	537.6	537.6
20°	492.5	491.0	492.5	494.1	495.6	497.2	498.7	501.8	503.4	503.4	503.4
22.5°	455.2	453.7	455.2	456.8	458.3	459.9	464.5	466.1	467.7	467.7	470.8
25°	417.9	417.9	419.5	421.0	422.6	424.1	427.3	430.4	431.9	433.5	433.5
27.5°	383.8	383.8	383.8	383.8	386.9	390.0	393.1	396.2	397.7	399.3	399.3
30°	351.1	349.6	349.6	351.1	354.2	357.3	360.4	363.6	365.1	366.7	368.2
32.5°	318.5	318.5	318.5	320.1	321.6	326.3	329.4	330.9	334.0	335.6	335.6
35°	289.0	289.0	289.0	292.1	295.2	298.3	299.9	303.0	306.1	306.1	306.1
37.5°	264.1	265.7	268.8	267.2	267.2	268.8	270.3	273.4	276.6	276.6	276.6
40°	236.2	237.7	239.3	237.7	239.3	242.4	243.9	245.5	247.0	248.6	248.6
42.5°	209.7	209.7	209.7	211.3	214.4	216.0	219.1	220.6	222.2	222.2	222.2
45°	188.0	188.0	189.5	191.1	192.7	194.2	195.8	197.3	198.9	198.9	198.9
47.5°	169.3	169.3	170.9	170.9	172.5	174.0	175.6	175.6	177.1	178.7	177.1
50°	152.3	152.3	152.3	153.8	153.8	155.4	155.4	156.9	156.9	156.9	156.9
52.5°	135.2	135.2	135.2	135.2	136.7	136.7	136.7	138.3	138.3	138.3	138.3
55°	119.6	119.6	119.6	119.6	119.6	121.2	121.2	121.2	121.2	121.2	121.2
57.5°	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
60°	91.7	91.7	91.7	91.7	91.7	90.1	91.7	91.7	91.7	91.7	91.7
62.5°	77.7	77.7	77.7	77.7	77.7	77.7	77.7	79.2	79.2	79.2	79.2
65°	63.7	65.3	65.3	65.3	65.3	65.3	65.3	66.8	66.8	66.8	66.8
67.5°	51.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	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	41.9
72.5°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	29.5	29.5	29.5
75°	20.2	20.2	20.2	20.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6
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)