

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: P1446599

Luminaire Tested: P3ART17R709735DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

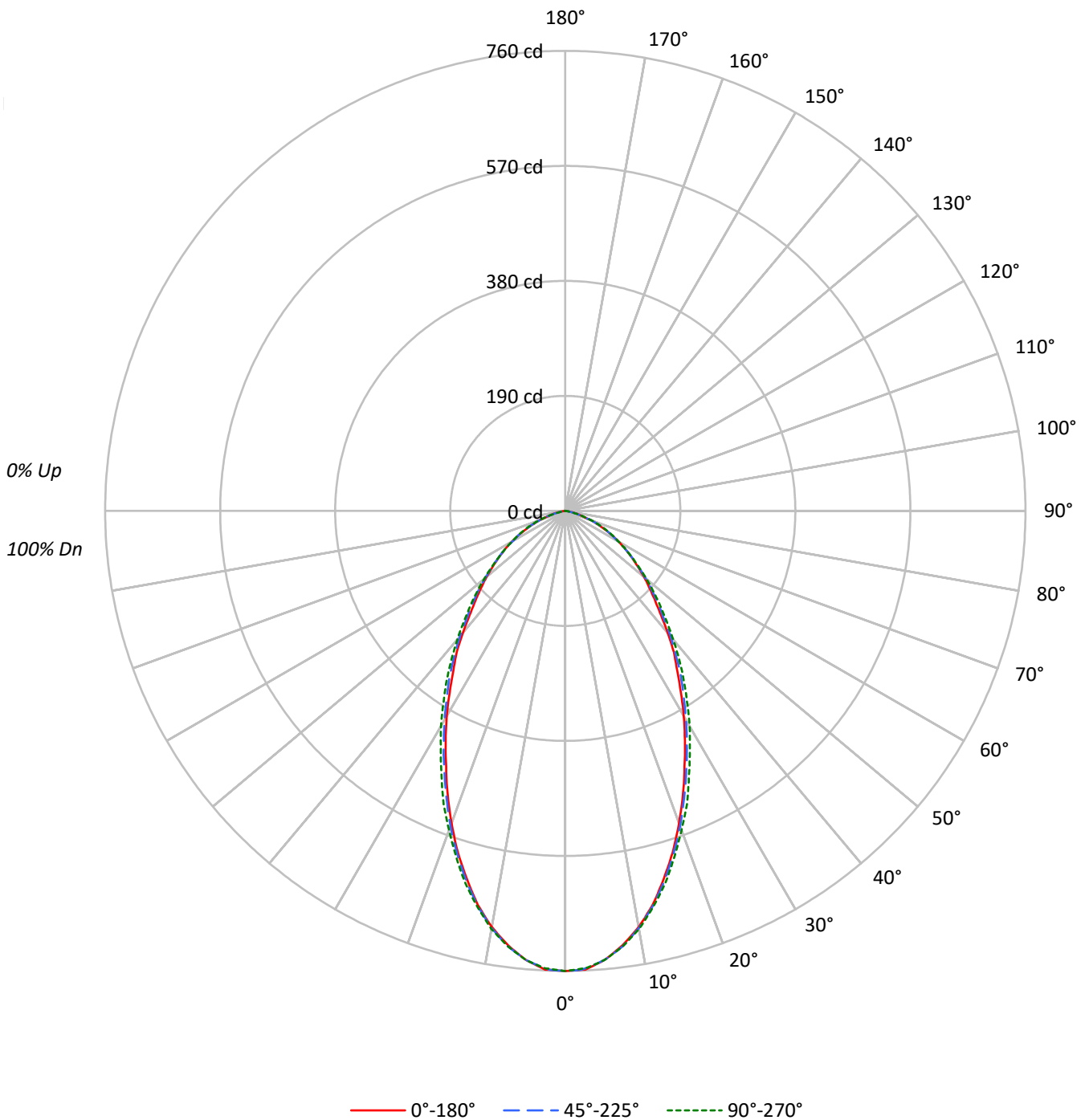
Test Method: LM-79-2019  
Report Number: P1446599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709735DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1059.0 lumens  
Efficiency: N/A  
Efficacy: 50.0 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





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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	102	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	89	
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	166719	166719	166719
5°	163922	163922	163922
10°	155419	155798	156176
15°	142725	143520	144677
20°	128111	129325	130935
25°	112724	114394	116910
30°	99104	100851	103940
35°	86224	89008	91337
40°	75370	77345	79320
45°	64999	67139	68751
50°	57891	59085	59665
55°	50999	51649	51649
60°	44821	44075	44821
65°	36839	37721	38655
70°	28851	28851	30005
75°	19063	17622	17622
80°	10986	8713	6566
85°	4277	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 68751 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	6.6
10°-20°	176.6	16.7
20°-30°	217.8	20.6
30°-40°	207.5	19.6
40°-50°	167.9	15.9
50°-60°	120.9	11.4
60°-70°	72.4	6.8
70°-80°	24.3	2.3
80°-90°	2.1	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°	464.0	43.8
0°-40°	671.5	63.4
0°-60°	960.3	90.7
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	745	745	745	745	745	70
15°	629	630	632	634	637	176
25°	466	469	473	480	483	214
35°	322	325	332	339	341	202
45°	210	213	216	220	222	163
55°	133	133	135	135	135	120
65°	71	73	73	74	74	71
75°	22	22	21	21	21	25
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°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	756.8
2.5°	758.6	756.8	756.8	756.8	756.8	756.8	756.8	756.8	756.8	756.8	756.8
5°	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	746.5	744.7	744.7
7.5°	723.9	723.9	723.9	723.9	725.7	725.7	725.7	725.7	727.4	727.4	725.7
10°	698.0	698.0	698.0	698.0	699.7	699.7	701.4	699.7	699.7	701.4	701.4
12.5°	666.8	665.1	665.1	665.1	666.8	668.5	668.5	668.5	670.3	670.3	670.3
15°	628.7	628.7	628.7	630.4	630.4	632.2	633.9	633.9	635.6	635.6	637.3
17.5°	590.6	590.6	588.9	590.6	592.3	594.0	595.8	597.5	599.2	599.2	599.2
20°	549.0	547.3	549.0	550.8	552.5	554.2	555.9	559.4	561.1	561.1	561.1
22.5°	507.5	505.7	507.5	509.2	510.9	512.6	517.8	519.6	521.3	521.3	524.8
25°	465.9	465.9	467.6	469.4	471.1	472.8	476.3	479.7	481.5	483.2	483.2
27.5°	427.8	427.8	427.8	427.8	431.2	434.7	438.2	441.6	443.4	445.1	445.1
30°	391.4	389.7	389.7	391.4	394.9	398.3	401.8	405.3	407.0	408.7	410.5
32.5°	355.0	355.0	355.0	356.8	358.5	363.7	367.2	368.9	372.4	374.1	374.1
35°	322.1	322.1	322.1	325.6	329.1	332.5	334.3	337.7	341.2	341.2	341.2
37.5°	294.4	296.2	299.6	297.9	297.9	299.6	301.4	304.8	308.3	308.3	308.3
40°	263.3	265.0	266.7	265.0	266.7	270.2	271.9	273.6	275.4	277.1	277.1
42.5°	233.8	233.8	233.8	235.5	239.0	240.7	244.2	245.9	247.7	247.7	247.7
45°	209.6	209.6	211.3	213.0	214.8	216.5	218.2	220.0	221.7	221.7	221.7
47.5°	188.8	188.8	190.5	190.5	192.2	194.0	195.7	195.7	197.4	199.2	197.4
50°	169.7	169.7	169.7	171.5	171.5	173.2	173.2	174.9	174.9	174.9	174.9
52.5°	150.7	150.7	150.7	150.7	152.4	152.4	152.4	154.1	154.1	154.1	154.1
55°	133.4	133.4	133.4	133.4	133.4	135.1	135.1	135.1	135.1	135.1	135.1
57.5°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
60°	102.2	102.2	102.2	102.2	102.2	100.5	102.2	102.2	102.2	102.2	102.2
62.5°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	88.3	88.3	88.3	88.3
65°	71.0	72.7	72.7	72.7	72.7	72.7	72.7	74.5	74.5	74.5	74.5
67.5°	57.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	60.6	60.6	60.6
70°	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	46.8
72.5°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	32.9	32.9	32.9
75°	22.5	22.5	22.5	22.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8
77.5°	15.6	15.6	15.6	13.9	13.9	12.1	12.1	12.1	12.1	12.1	10.4
80°	8.7	8.7	8.7	8.7	8.7	6.9	6.9	5.2	5.2	5.2	5.2
82.5°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	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)