

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: P1446703

Luminaire Tested: P3ART13R709740DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

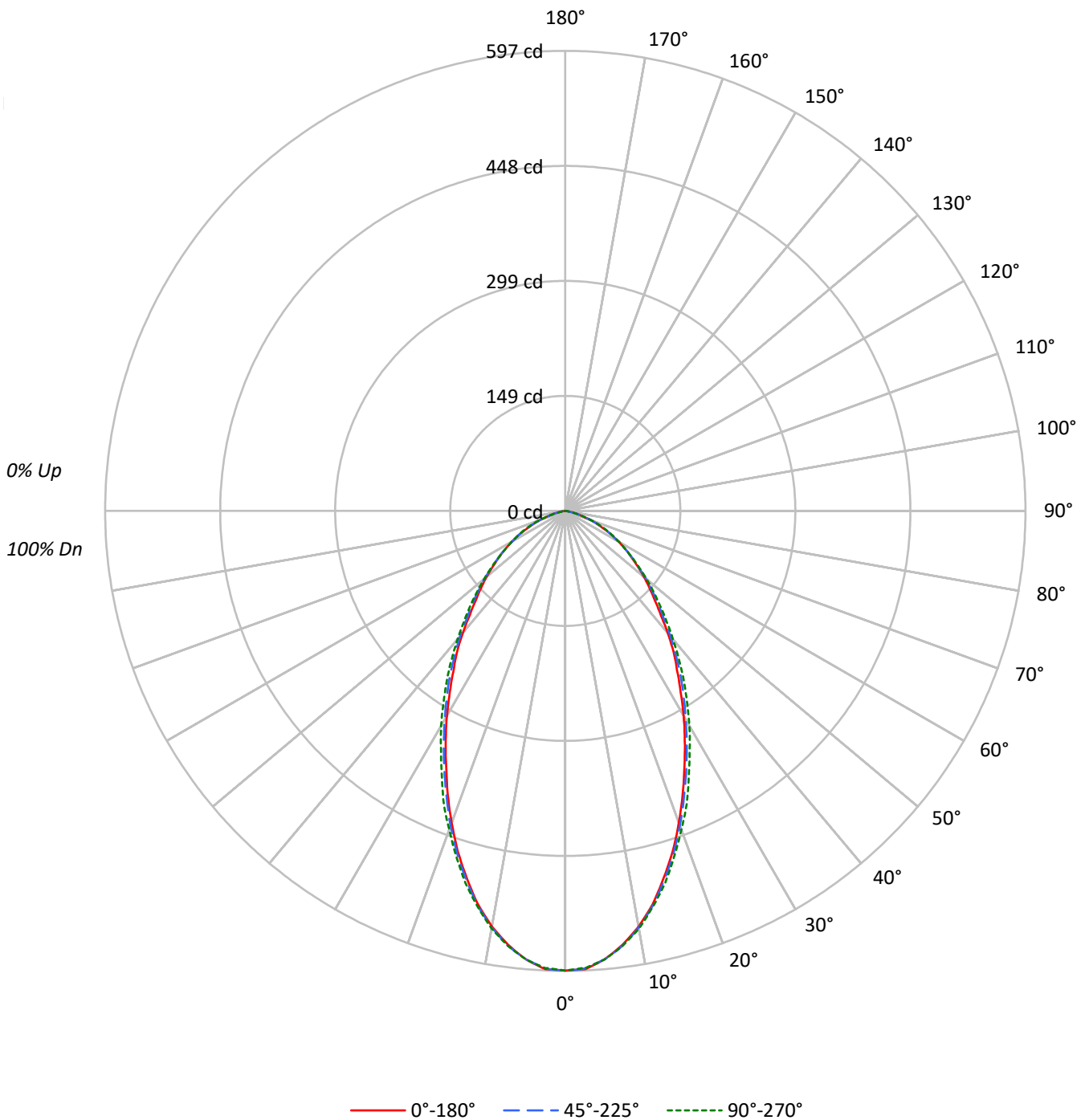
Test Method: LM-79-2019  
Report Number: P1446703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709740DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 831.0 lumens  
Efficiency: N/A  
Efficacy: 56.9 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): 14.6  
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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

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

	0°	45°	90°
0°	130823	130823	130823
5°	128637	128637	128637
10°	121953	122264	122554
15°	111987	112623	113531
20°	100529	101485	102746
25°	88457	89763	91747
30°	77759	79151	81557
35°	67673	69841	71661
40°	59139	60685	62231
45°	50982	52688	53959
50°	45440	46361	46839
55°	39989	40524	40524
60°	35173	34559	35173
65°	28901	29627	30302
70°	22632	22632	23530
75°	14996	13810	13810
80°	8587	6819	5177
85°	3522	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 53959 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.7	6.6
10°-20°	138.5	16.7
20°-30°	170.9	20.6
30°-40°	162.8	19.6
40°-50°	131.7	15.9
50°-60°	94.9	11.4
60°-70°	56.8	6.8
70°-80°	19.0	2.3
80°-90°	1.6	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°	364.1	43.8
0°-40°	526.9	63.4
0°-60°	753.5	90.7
0°-90°	831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	584	584	584	585	584	55
15°	493	494	496	498	500	138
25°	366	368	371	377	379	168
35°	253	255	261	266	268	159
45°	164	167	170	173	174	128
55°	105	105	106	106	106	94
65°	56	57	57	58	58	56
75°	18	18	16	16	16	20
85°	1	1	0	0	0	2
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°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2°	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	593.9
2.5°	595.3	593.9	593.9	593.9	593.9	593.9	593.9	593.9	593.9	595.3	593.9
5°	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4	585.7	584.4	584.4
7.5°	568.1	568.1	568.1	568.1	569.4	569.4	569.4	569.4	570.8	570.8	569.4
10°	547.7	547.7	547.7	547.7	549.1	549.1	550.4	549.1	549.1	550.4	550.4
12.5°	523.2	521.9	521.9	521.9	523.2	524.6	524.6	524.6	525.9	525.9	525.9
15°	493.3	493.3	493.3	494.7	494.7	496.1	497.4	497.4	498.8	498.8	500.1
17.5°	463.4	463.4	462.1	463.4	464.8	466.2	467.5	468.9	470.2	470.2	470.2
20°	430.8	429.5	430.8	432.2	433.5	434.9	436.3	439.0	440.3	440.3	440.3
22.5°	398.2	396.8	398.2	399.6	400.9	402.3	406.4	407.7	409.1	409.1	411.8
25°	365.6	365.6	366.9	368.3	369.7	371.0	373.7	376.5	377.8	379.2	379.2
27.5°	335.7	335.7	335.7	335.7	338.4	341.1	343.8	346.6	347.9	349.3	349.3
30°	307.1	305.8	305.8	307.1	309.9	312.6	315.3	318.0	319.4	320.7	322.1
32.5°	278.6	278.6	278.6	280.0	281.3	285.4	288.1	289.5	292.2	293.6	293.6
35°	252.8	252.8	252.8	255.5	258.2	260.9	262.3	265.0	267.7	267.7	267.7
37.5°	231.0	232.4	235.1	233.8	233.8	235.1	236.5	239.2	241.9	241.9	241.9
40°	206.6	207.9	209.3	207.9	209.3	212.0	213.4	214.7	216.1	217.4	217.4
42.5°	183.5	183.5	183.5	184.8	187.5	188.9	191.6	193.0	194.3	194.3	194.3
45°	164.4	164.4	165.8	167.2	168.5	169.9	171.2	172.6	174.0	174.0	174.0
47.5°	148.1	148.1	149.5	149.5	150.9	152.2	153.6	153.6	154.9	156.3	154.9
50°	133.2	133.2	133.2	134.5	134.5	135.9	135.9	137.3	137.3	137.3	137.3
52.5°	118.2	118.2	118.2	118.2	119.6	119.6	119.6	121.0	121.0	121.0	121.0
55°	104.6	104.6	104.6	104.6	104.6	106.0	106.0	106.0	106.0	106.0	106.0
57.5°	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
60°	80.2	80.2	80.2	80.2	80.2	78.8	80.2	80.2	80.2	80.2	80.2
62.5°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	69.3	69.3	69.3	69.3
65°	55.7	57.1	57.1	57.1	57.1	57.1	57.1	58.4	58.4	58.4	58.4
67.5°	44.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	47.6	47.6	47.6
70°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.7
72.5°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.8	25.8	25.8
75°	17.7	17.7	17.7	17.7	16.3	16.3	16.3	16.3	16.3	16.3	16.3
77.5°	12.2	12.2	12.2	10.9	10.9	9.5	9.5	9.5	9.5	9.5	8.2
80°	6.8	6.8	6.8	6.8	6.8	5.4	5.4	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	2.7	2.7	2.7	2.7	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)