

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: P1446312

Luminaire Tested: P3ART13R709727DE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

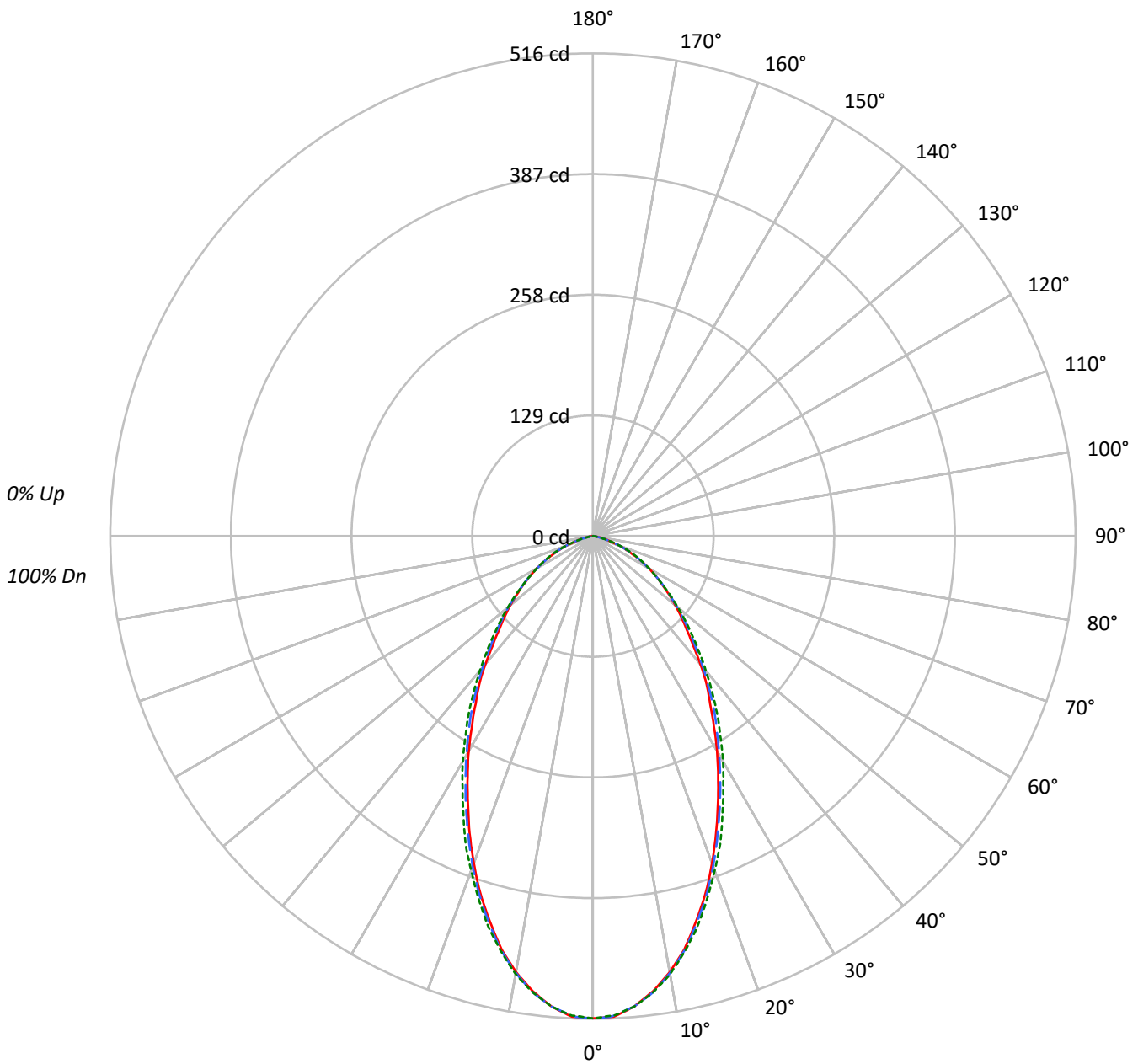
Test Method: LM-79-2019  
Report Number: P1446312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709727DE010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 718.0 lumens  
Efficiency: N/A  
Efficacy: 49.2 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



— 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

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

	0°	45°	90°
0°	113039	113039	113039
5°	111138	111138	111138
10°	105364	105632	105899
15°	96754	97299	98094
20°	86854	87694	88791
25°	76432	77569	79263
30°	67200	68390	70467
35°	58464	60365	61917
40°	51096	52441	53786
45°	44067	45524	46609
50°	39265	40050	40459
55°	34560	35019	35019
60°	30392	29866	30392
65°	24957	25580	26203
70°	19555	19555	20324
75°	12963	11946	11946
80°	7450	5935	4420
85°	3019	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 46609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.2	6.6
10°-20°	119.7	16.7
20°-30°	147.6	20.6
30°-40°	140.7	19.6
40°-50°	113.8	15.9
50°-60°	82.0	11.4
60°-70°	49.1	6.8
70°-80°	16.4	2.3
80°-90°	1.4	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°	314.6	43.8
0°-40°	455.3	63.4
0°-60°	651.1	90.7
0°-90°	718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	718.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	505	505	505	505	505	47
15°	426	427	429	430	432	119
25°	316	318	321	326	328	145
35°	218	220	226	230	231	137
45°	142	144	147	149	150	111
55°	90	90	92	92	92	81
65°	48	49	49	50	50	48
75°	15	15	14	14	14	17
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°	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5
2°	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	513.1
2.5°	514.3	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	514.3	513.1
5°	504.9	504.9	504.9	504.9	504.9	504.9	504.9	504.9	506.1	504.9	504.9
7.5°	490.8	490.8	490.8	490.8	492.0	492.0	492.0	492.0	493.2	493.2	492.0
10°	473.2	473.2	473.2	473.2	474.4	474.4	475.6	474.4	474.4	475.6	475.6
12.5°	452.1	450.9	450.9	450.9	452.1	453.3	453.3	453.3	454.4	454.4	454.4
15°	426.2	426.2	426.2	427.4	427.4	428.6	429.8	429.8	430.9	430.9	432.1
17.5°	400.4	400.4	399.2	400.4	401.6	402.8	403.9	405.1	406.3	406.3	406.3
20°	372.2	371.1	372.2	373.4	374.6	375.8	376.9	379.3	380.5	380.5	380.5
22.5°	344.1	342.9	344.1	345.2	346.4	347.6	351.1	352.3	353.4	353.4	355.8
25°	315.9	315.9	317.0	318.2	319.4	320.6	322.9	325.3	326.4	327.6	327.6
27.5°	290.0	290.0	290.0	290.0	292.4	294.7	297.1	299.4	300.6	301.8	301.8
30°	265.4	264.2	264.2	265.4	267.7	270.1	272.4	274.8	275.9	277.1	278.3
32.5°	240.7	240.7	240.7	241.9	243.1	246.6	248.9	250.1	252.5	253.6	253.6
35°	218.4	218.4	218.4	220.8	223.1	225.5	226.6	229.0	231.3	231.3	231.3
37.5°	199.6	200.8	203.1	202.0	202.0	203.1	204.3	206.7	209.0	209.0	209.0
40°	178.5	179.7	180.8	179.7	180.8	183.2	184.4	185.5	186.7	187.9	187.9
42.5°	158.5	158.5	158.5	159.7	162.0	163.2	165.6	166.7	167.9	167.9	167.9
45°	142.1	142.1	143.3	144.4	145.6	146.8	148.0	149.1	150.3	150.3	150.3
47.5°	128.0	128.0	129.2	129.2	130.3	131.5	132.7	132.7	133.9	135.0	133.9
50°	115.1	115.1	115.1	116.2	116.2	117.4	117.4	118.6	118.6	118.6	118.6
52.5°	102.2	102.2	102.2	102.2	103.3	103.3	103.3	104.5	104.5	104.5	104.5
55°	90.4	90.4	90.4	90.4	90.4	91.6	91.6	91.6	91.6	91.6	91.6
57.5°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
60°	69.3	69.3	69.3	69.3	69.3	68.1	69.3	69.3	69.3	69.3	69.3
62.5°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.9	59.9	59.9	59.9
65°	48.1	49.3	49.3	49.3	49.3	49.3	49.3	50.5	50.5	50.5	50.5
67.5°	38.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	41.1	41.1	41.1
70°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	31.7
72.5°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	22.3	22.3	22.3
75°	15.3	15.3	15.3	15.3	14.1	14.1	14.1	14.1	14.1	14.1	14.1
77.5°	10.6	10.6	10.6	9.4	9.4	8.2	8.2	8.2	8.2	8.2	7.0
80°	5.9	5.9	5.9	5.9	5.9	4.7	4.7	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	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)