

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: P1446564

Luminaire Tested: P3ART09R709730DE010 E3LDWW1WMH

Issue Date: 5/8/2026

**Test Information**

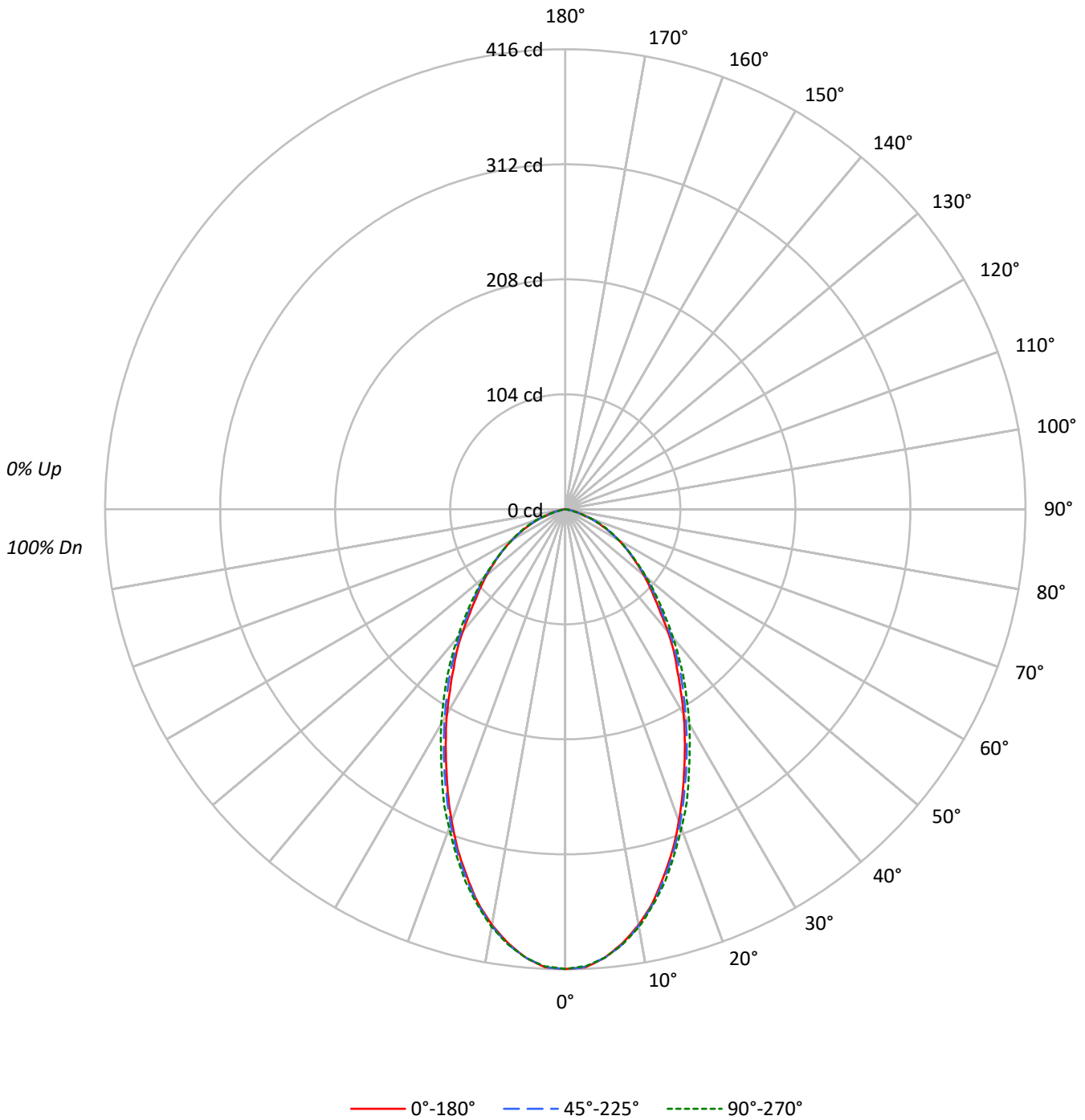
Test Method: LM-79-2019  
Report Number: P1446564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709730DE010 E3LDWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LDWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 579.0 lumens  
Efficiency: N/A  
Efficacy: 52.2 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): 11.1  
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	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°	91155	91155	91155
5°	89632	89632	89632
10°	84968	85191	85391
15°	78025	78457	79115
20°	70053	70706	71593
25°	61625	62544	63923
30°	54186	55148	56819
35°	47141	48666	49925
40°	41191	42279	43367
45°	35539	36717	37585
50°	31658	32306	32613
55°	27870	28252	28252
60°	24516	24077	24516
65°	20132	20651	21118
70°	15772	15772	16413
75°	10421	9658	9658
80°	5935	4799	3536
85°	2264	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 37585 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.1	6.6
10°-20°	96.5	16.7
20°-30°	119.1	20.6
30°-40°	113.5	19.6
40°-50°	91.8	15.9
50°-60°	66.1	11.4
60°-70°	39.6	6.8
70°-80°	13.2	2.3
80°-90°	1.1	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°	253.7	43.8
0°-40°	367.1	63.4
0°-60°	525.0	90.7
0°-90°	579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	407	407	407	407	407	38
15°	344	344	346	347	348	96
25°	255	256	258	263	264	117
35°	176	178	182	185	186	111
45°	115	116	118	121	121	89
55°	73	73	74	74	74	66
65°	39	40	40	41	41	39
75°	12	12	11	11	11	14
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°	415.7	415.7	415.7	415.7	415.7	415.7	415.7	415.7	415.7	415.7	415.7
2°	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	413.8
2.5°	414.7	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	414.7	413.8
5°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	408.1	407.2	407.2
7.5°	395.8	395.8	395.8	395.8	396.8	396.8	396.8	396.8	397.7	397.7	396.8
10°	381.6	381.6	381.6	381.6	382.6	382.6	383.5	382.6	382.6	383.5	383.5
12.5°	364.6	363.6	363.6	363.6	364.6	365.5	365.5	365.5	366.5	366.5	366.5
15°	343.7	343.7	343.7	344.7	344.7	345.6	346.6	346.6	347.5	347.5	348.5
17.5°	322.9	322.9	322.0	322.9	323.8	324.8	325.7	326.7	327.6	327.6	327.6
20°	300.2	299.2	300.2	301.1	302.1	303.0	304.0	305.9	306.8	306.8	306.8
22.5°	277.4	276.5	277.4	278.4	279.3	280.3	283.1	284.1	285.0	285.0	286.9
25°	254.7	254.7	255.7	256.6	257.6	258.5	260.4	262.3	263.2	264.2	264.2
27.5°	233.9	233.9	233.9	233.9	235.8	237.7	239.6	241.5	242.4	243.4	243.4
30°	214.0	213.1	213.1	214.0	215.9	217.8	219.7	221.6	222.5	223.5	224.4
32.5°	194.1	194.1	194.1	195.1	196.0	198.9	200.7	201.7	203.6	204.5	204.5
35°	176.1	176.1	176.1	178.0	179.9	181.8	182.8	184.6	186.5	186.5	186.5
37.5°	161.0	161.9	163.8	162.9	162.9	163.8	164.8	166.7	168.6	168.6	168.6
40°	143.9	144.9	145.8	144.9	145.8	147.7	148.7	149.6	150.6	151.5	151.5
42.5°	127.8	127.8	127.8	128.8	130.7	131.6	133.5	134.5	135.4	135.4	135.4
45°	114.6	114.6	115.5	116.5	117.4	118.4	119.3	120.3	121.2	121.2	121.2
47.5°	103.2	103.2	104.2	104.2	105.1	106.1	107.0	107.0	107.9	108.9	107.9
50°	92.8	92.8	92.8	93.7	93.7	94.7	94.7	95.6	95.6	95.6	95.6
52.5°	82.4	82.4	82.4	82.4	83.3	83.3	83.3	84.3	84.3	84.3	84.3
55°	72.9	72.9	72.9	72.9	72.9	73.9	73.9	73.9	73.9	73.9	73.9
57.5°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
60°	55.9	55.9	55.9	55.9	55.9	54.9	55.9	55.9	55.9	55.9	55.9
62.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.3	48.3	48.3	48.3
65°	38.8	39.8	39.8	39.8	39.8	39.8	39.8	40.7	40.7	40.7	40.7
67.5°	31.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	33.1	33.1	33.1
70°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.6
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	18.0	18.0	18.0
75°	12.3	12.3	12.3	12.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	8.5	8.5	8.5	7.6	7.6	6.6	6.6	6.6	6.6	6.6	5.7
80°	4.7	4.7	4.7	4.7	4.7	3.8	3.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	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)