

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: P1446018

Luminaire Tested: P3ART05R709035DE010 E3LDWW1WMH

Issue Date: 5/8/2026

**Test Information**

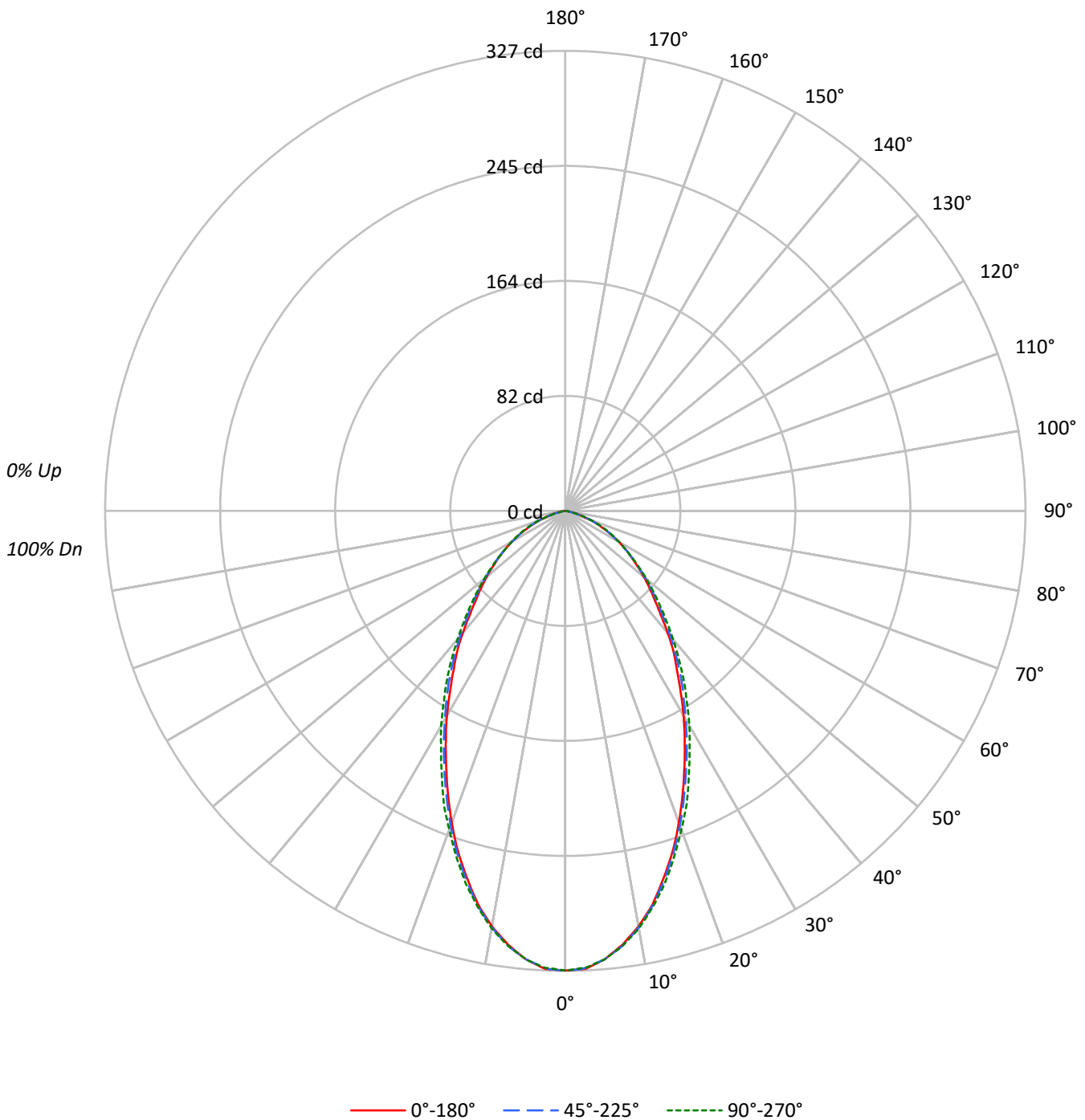
Test Method: LM-79-2019  
Report Number: P1446018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709035DE010 E3LDWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LDWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 455.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 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): 7.2  
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	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°	71639	71639	71639
5°	70438	70438	70438
10°	66777	66933	67111
15°	61317	61658	62157
20°	55048	55561	56262
25°	48438	49140	50229
30°	42589	43323	44665
35°	37049	38253	39244
40°	32375	33234	34092
45°	27910	28840	29522
50°	24869	25381	25654
55°	21906	22174	22174
60°	19253	18946	19253
65°	15825	16240	16604
70°	12374	12374	12887
75°	8218	7540	7540
80°	4672	3788	2778
85°	1761	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 29522 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	6.6
10°-20°	75.9	16.7
20°-30°	93.6	20.6
30°-40°	89.2	19.6
40°-50°	72.1	15.9
50°-60°	51.9	11.4
60°-70°	31.1	6.8
70°-80°	10.4	2.3
80°-90°	0.9	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°	199.4	43.8
0°-40°	288.5	63.4
0°-60°	412.6	90.7
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	327	327	327	327	327	
5°	320	320	320	320	320	30
15°	270	271	272	272	274	75
25°	200	202	203	206	208	92
35°	138	140	143	145	147	87
45°	90	91	93	95	95	70
55°	57	57	58	58	58	52
65°	30	31	31	32	32	31
75°	10	10	9	9	9	11
85°	1	1	0	0	0	1
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°	326.7	326.7	326.7	326.7	326.7	326.7	326.7	326.7	326.7	326.7	326.7
2°	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.2
2.5°	325.9	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.2	325.9	325.2
5°	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.7	320.0	320.0
7.5°	311.0	311.0	311.0	311.0	311.8	311.8	311.8	311.8	312.5	312.5	311.8
10°	299.9	299.9	299.9	299.9	300.6	300.6	301.4	300.6	300.6	301.4	301.4
12.5°	286.5	285.7	285.7	285.7	286.5	287.2	287.2	287.2	288.0	288.0	288.0
15°	270.1	270.1	270.1	270.9	270.9	271.6	272.3	272.3	273.1	273.1	273.8
17.5°	253.7	253.7	253.0	253.7	254.5	255.2	256.0	256.7	257.5	257.5	257.5
20°	235.9	235.1	235.9	236.6	237.4	238.1	238.9	240.4	241.1	241.1	241.1
22.5°	218.0	217.3	218.0	218.8	219.5	220.3	222.5	223.2	224.0	224.0	225.5
25°	200.2	200.2	200.9	201.7	202.4	203.1	204.6	206.1	206.9	207.6	207.6
27.5°	183.8	183.8	183.8	183.8	185.3	186.8	188.3	189.8	190.5	191.2	191.2
30°	168.2	167.4	167.4	168.2	169.7	171.1	172.6	174.1	174.9	175.6	176.4
32.5°	152.5	152.5	152.5	153.3	154.0	156.3	157.8	158.5	160.0	160.7	160.7
35°	138.4	138.4	138.4	139.9	141.4	142.9	143.6	145.1	146.6	146.6	146.6
37.5°	126.5	127.2	128.7	128.0	128.0	128.7	129.5	131.0	132.5	132.5	132.5
40°	113.1	113.9	114.6	113.9	114.6	116.1	116.8	117.6	118.3	119.1	119.1
42.5°	100.5	100.5	100.5	101.2	102.7	103.4	104.9	105.7	106.4	106.4	106.4
45°	90.0	90.0	90.8	91.5	92.3	93.0	93.8	94.5	95.2	95.2	95.2
47.5°	81.1	81.1	81.9	81.9	82.6	83.3	84.1	84.1	84.8	85.6	84.8
50°	72.9	72.9	72.9	73.7	73.7	74.4	74.4	75.2	75.2	75.2	75.2
52.5°	64.7	64.7	64.7	64.7	65.5	65.5	65.5	66.2	66.2	66.2	66.2
55°	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
57.5°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
60°	43.9	43.9	43.9	43.9	43.9	43.2	43.9	43.9	43.9	43.9	43.9
62.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	38.0	38.0	38.0	38.0
65°	30.5	31.3	31.3	31.3	31.3	31.3	31.3	32.0	32.0	32.0	32.0
67.5°	24.6	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0	26.0
70°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	20.1
72.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	14.1	14.1	14.1
75°	9.7	9.7	9.7	9.7	8.9	8.9	8.9	8.9	8.9	8.9	8.9
77.5°	6.7	6.7	6.7	6.0	6.0	5.2	5.2	5.2	5.2	5.2	4.5
80°	3.7	3.7	3.7	3.7	3.7	3.0	3.0	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	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)