

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: P1445741

Luminaire Tested: P3ART05R709027DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

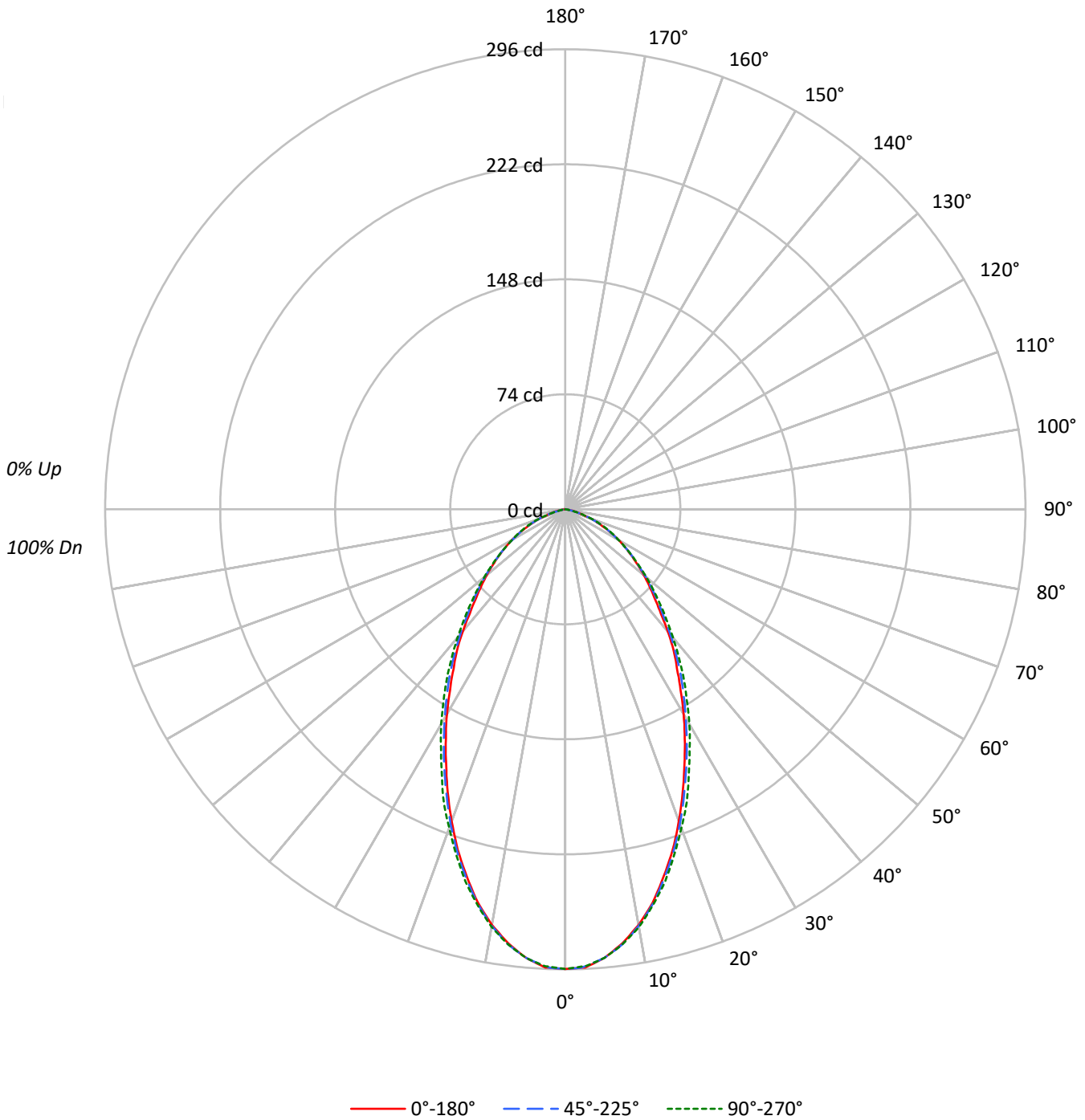
Test Method: LM-79-2019  
Report Number: P1445741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709027DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 412.0 lumens  
Efficiency: N/A  
Efficacy: 57.2 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 (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	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°	64863	64863	64863
5°	63768	63768	63768
10°	60453	60609	60765
15°	55528	55823	56300
20°	49844	50311	50941
25°	43865	44495	45486
30°	38563	39247	40437
35°	33542	34639	35523
40°	29312	30085	30858
45°	25274	26111	26731
50°	22515	22993	23232
55°	19842	20109	20109
60°	17455	17148	17455
65°	14321	14684	15047
70°	11220	11220	11669
75°	7456	6863	6863
80°	4293	3410	2526
85°	1761	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 26731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	6.6
10°-20°	68.7	16.7
20°-30°	84.7	20.6
30°-40°	80.7	19.6
40°-50°	65.3	15.9
50°-60°	47.1	11.4
60°-70°	28.2	6.8
70°-80°	9.4	2.3
80°-90°	0.8	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°	180.5	43.8
0°-40°	261.2	63.4
0°-60°	373.6	90.7
0°-90°	412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	296	296	296	296	296	
5°	290	290	290	290	290	27
15°	245	245	246	247	248	68
25°	181	182	184	187	188	83
35°	125	126	129	132	133	79
45°	82	83	84	86	86	64
55°	52	52	53	53	53	47
65°	28	28	28	29	29	28
75°	9	9	8	8	8	10
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°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8
2°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	294.4
2.5°	295.1	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	295.1	294.4
5°	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	290.4	289.7	289.7
7.5°	281.6	281.6	281.6	281.6	282.3	282.3	282.3	282.3	283.0	283.0	282.3
10°	271.5	271.5	271.5	271.5	272.2	272.2	272.9	272.2	272.2	272.9	272.9
12.5°	259.4	258.7	258.7	258.7	259.4	260.1	260.1	260.1	260.8	260.8	260.8
15°	244.6	244.6	244.6	245.3	245.3	245.9	246.6	246.6	247.3	247.3	248.0
17.5°	229.8	229.8	229.1	229.8	230.4	231.1	231.8	232.5	233.1	233.1	233.1
20°	213.6	212.9	213.6	214.3	214.9	215.6	216.3	217.6	218.3	218.3	218.3
22.5°	197.4	196.7	197.4	198.1	198.8	199.4	201.5	202.1	202.8	202.8	204.2
25°	181.3	181.3	181.9	182.6	183.3	183.9	185.3	186.6	187.3	188.0	188.0
27.5°	166.4	166.4	166.4	166.4	167.8	169.1	170.5	171.8	172.5	173.2	173.2
30°	152.3	151.6	151.6	152.3	153.6	155.0	156.3	157.7	158.3	159.0	159.7
32.5°	138.1	138.1	138.1	138.8	139.5	141.5	142.8	143.5	144.9	145.5	145.5
35°	125.3	125.3	125.3	126.7	128.0	129.4	130.0	131.4	132.7	132.7	132.7
37.5°	114.5	115.2	116.6	115.9	115.9	116.6	117.2	118.6	119.9	119.9	119.9
40°	102.4	103.1	103.8	103.1	103.8	105.1	105.8	106.5	107.1	107.8	107.8
42.5°	91.0	91.0	91.0	91.6	93.0	93.7	95.0	95.7	96.4	96.4	96.4
45°	81.5	81.5	82.2	82.9	83.6	84.2	84.9	85.6	86.2	86.2	86.2
47.5°	73.4	73.4	74.1	74.1	74.8	75.5	76.1	76.1	76.8	77.5	76.8
50°	66.0	66.0	66.0	66.7	66.7	67.4	67.4	68.1	68.1	68.1	68.1
52.5°	58.6	58.6	58.6	58.6	59.3	59.3	59.3	60.0	60.0	60.0	60.0
55°	51.9	51.9	51.9	51.9	51.9	52.6	52.6	52.6	52.6	52.6	52.6
57.5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
60°	39.8	39.8	39.8	39.8	39.8	39.1	39.8	39.8	39.8	39.8	39.8
62.5°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	34.4	34.4	34.4	34.4
65°	27.6	28.3	28.3	28.3	28.3	28.3	28.3	29.0	29.0	29.0	29.0
67.5°	22.2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	23.6	23.6	23.6
70°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	18.2
72.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.8	12.8	12.8
75°	8.8	8.8	8.8	8.8	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	6.1	6.1	6.1	5.4	5.4	4.7	4.7	4.7	4.7	4.7	4.0
80°	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	1.3	1.3	1.3	1.3	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)