

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: P#

Luminaire Tested: P3ART09R709840DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

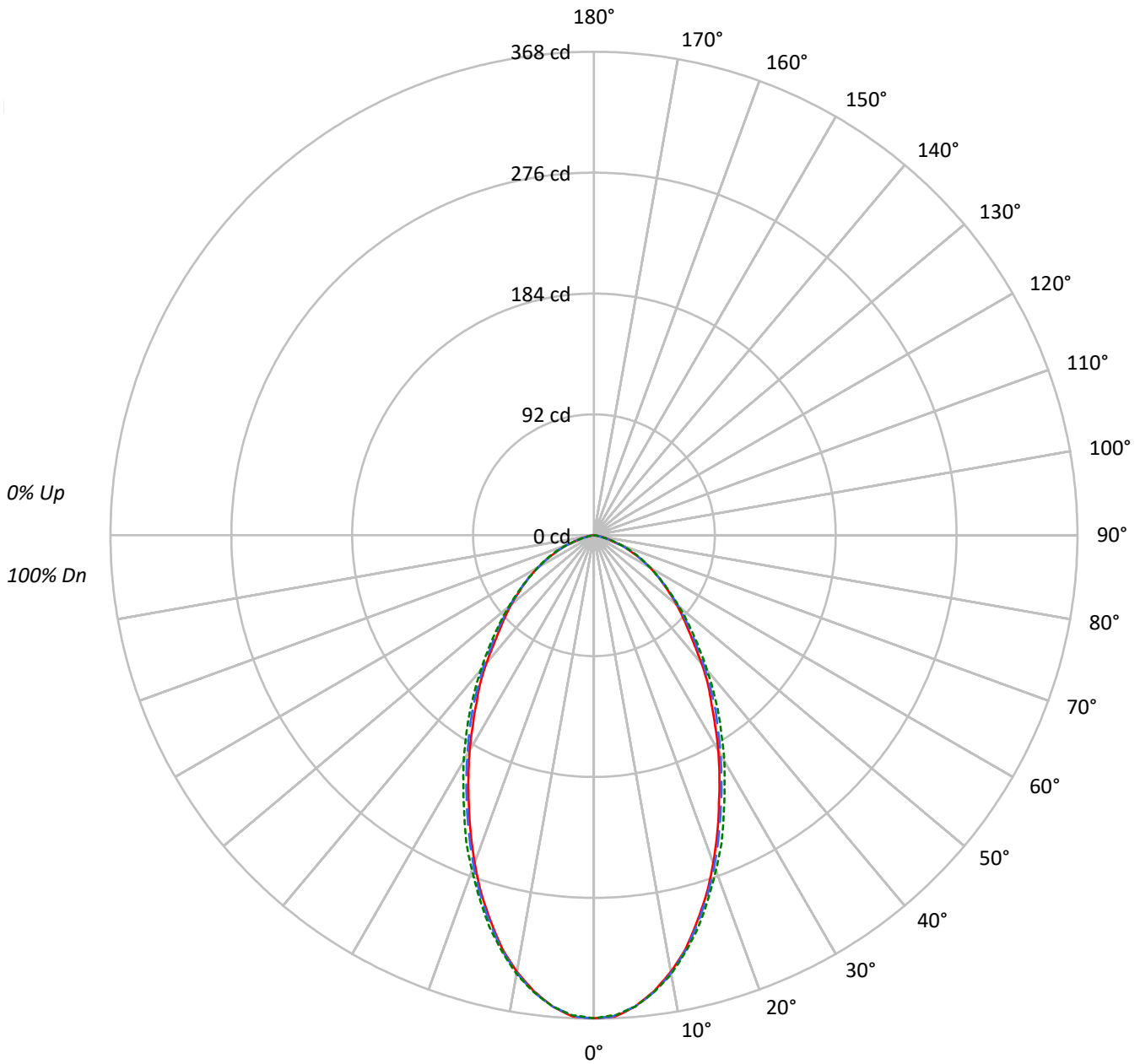
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709840DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 512.0 lumens  
Efficiency: N/A  
Efficacy: 46.5 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  
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	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°	80608	80608	80608
5°	79265	79265	79265
10°	75127	75327	75505
15°	69013	69376	69944
20°	61932	62515	63309
25°	54487	55310	56519
30°	47906	48767	50236
35°	41680	43045	44169
40°	36440	37384	38358
45°	31414	32468	33244
50°	28008	28553	28860
55°	24659	24964	24964
60°	21665	21314	21665
65°	17797	18264	18679
70°	13977	13977	14490
75°	9235	8472	8472
80°	5304	4167	3157
85°	2013	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 33244 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.7	6.6
10°-20°	85.4	16.7
20°-30°	105.3	20.6
30°-40°	100.3	19.6
40°-50°	81.2	15.9
50°-60°	58.5	11.4
60°-70°	35.0	6.8
70°-80°	11.7	2.3
80°-90°	1.0	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°	224.3	43.8
0°-40°	324.6	63.4
0°-60°	464.3	90.7
0°-90°	512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	512.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	368	368	368	368	368	
5°	360	360	360	360	360	34
15°	304	305	306	307	308	85
25°	225	227	229	232	234	104
35°	156	157	161	164	165	98
45°	101	103	105	107	107	79
55°	64	64	65	65	65	58
65°	34	35	35	36	36	34
75°	11	11	10	10	10	12
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°	367.6	367.6	367.6	367.6	367.6	367.6	367.6	367.6	367.6	367.6	367.6
2°	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	365.9
2.5°	366.8	365.9	365.9	365.9	365.9	365.9	365.9	365.9	365.9	366.8	365.9
5°	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.9	360.1	360.1
7.5°	350.0	350.0	350.0	350.0	350.8	350.8	350.8	350.8	351.7	351.7	350.8
10°	337.4	337.4	337.4	337.4	338.3	338.3	339.1	338.3	338.3	339.1	339.1
12.5°	322.4	321.5	321.5	321.5	322.4	323.2	323.2	323.2	324.1	324.1	324.1
15°	304.0	304.0	304.0	304.8	304.8	305.6	306.5	306.5	307.3	307.3	308.1
17.5°	285.5	285.5	284.7	285.5	286.4	287.2	288.0	288.9	289.7	289.7	289.7
20°	265.4	264.6	265.4	266.3	267.1	267.9	268.8	270.5	271.3	271.3	271.3
22.5°	245.3	244.5	245.3	246.2	247.0	247.9	250.4	251.2	252.0	252.0	253.7
25°	225.2	225.2	226.1	226.9	227.8	228.6	230.3	231.9	232.8	233.6	233.6
27.5°	206.8	206.8	206.8	206.8	208.5	210.2	211.8	213.5	214.4	215.2	215.2
30°	189.2	188.4	188.4	189.2	190.9	192.6	194.3	195.9	196.8	197.6	198.4
32.5°	171.7	171.7	171.7	172.5	173.3	175.8	177.5	178.4	180.0	180.9	180.9
35°	155.7	155.7	155.7	157.4	159.1	160.8	161.6	163.3	165.0	165.0	165.0
37.5°	142.3	143.2	144.9	144.0	144.9	144.9	145.7	147.4	149.0	149.0	149.0
40°	127.3	128.1	129.0	128.1	129.0	130.6	131.5	132.3	133.1	134.0	134.0
42.5°	113.0	113.0	113.0	113.9	115.6	116.4	118.1	118.9	119.7	119.7	119.7
45°	101.3	101.3	102.2	103.0	103.8	104.7	105.5	106.3	107.2	107.2	107.2
47.5°	91.3	91.3	92.1	92.1	92.9	93.8	94.6	94.6	95.5	96.3	95.5
50°	82.1	82.1	82.1	82.9	82.9	83.7	83.7	84.6	84.6	84.6	84.6
52.5°	72.8	72.8	72.8	72.8	73.7	73.7	73.7	74.5	74.5	74.5	74.5
55°	64.5	64.5	64.5	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3
57.5°	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
60°	49.4	49.4	49.4	49.4	49.4	48.6	49.4	49.4	49.4	49.4	49.4
62.5°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.7	42.7	42.7	42.7
65°	34.3	35.2	35.2	35.2	35.2	35.2	35.2	36.0	36.0	36.0	36.0
67.5°	27.6	28.5	28.5	28.5	28.5	28.5	28.5	28.5	29.3	29.3	29.3
70°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	22.6
72.5°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.9	15.9	15.9
75°	10.9	10.9	10.9	10.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	7.5	7.5	7.5	6.7	6.7	5.9	5.9	5.9	5.9	5.9	5.0
80°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)