

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: P1445560

Luminaire Tested: P3ART17R709024DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

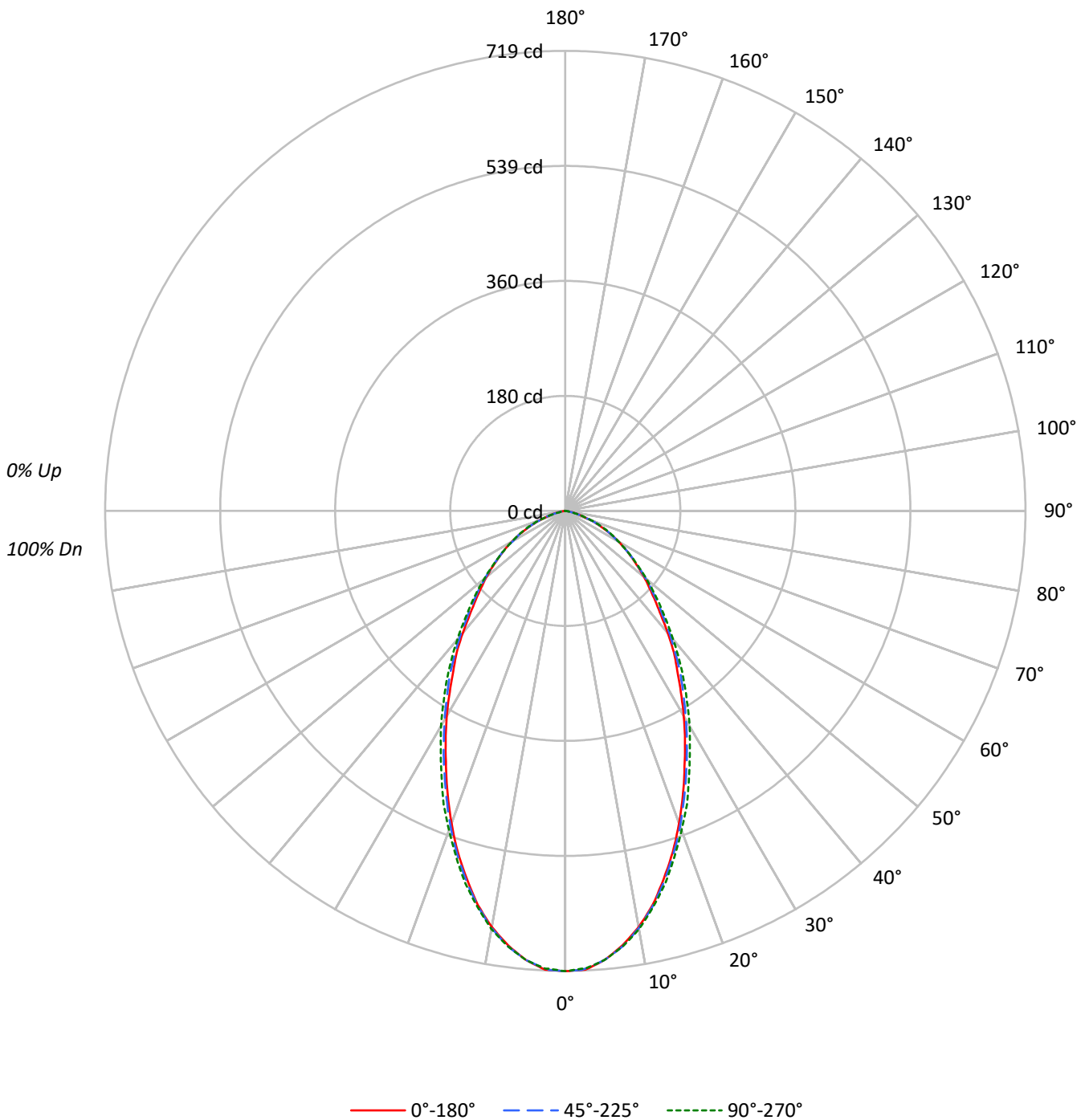
Test Method: LM-79-2019  
Report Number: P1445560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709024DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1002.0 lumens  
Efficiency: N/A  
Efficacy: 47.3 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): 21.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

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

	0°	45°	90°
0°	157751	157751	157751
5°	155095	155095	155095
10°	147047	147403	147782
15°	135029	135778	136891
20°	121227	122371	123887
25°	106651	108248	110619
30°	93761	95432	98344
35°	81593	84216	86411
40°	71305	73166	75055
45°	61495	63510	65061
50°	54787	55913	56459
55°	48247	48858	48858
60°	42409	41663	42409
65°	34868	35698	36580
70°	27312	27312	28338
75°	18046	16691	16691
80°	10355	8334	6188
85°	4026	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 65061 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.9	6.6
10°-20°	167.1	16.7
20°-30°	206.0	20.6
30°-40°	196.3	19.6
40°-50°	158.8	15.9
50°-60°	114.4	11.4
60°-70°	68.5	6.8
70°-80°	23.0	2.3
80°-90°	1.9	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°	439.0	43.8
0°-40°	635.3	63.4
0°-60°	908.6	90.7
0°-90°	1002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	705	705	705	705	705	66
15°	595	596	598	600	603	166
25°	441	444	447	454	457	203
35°	305	307	315	320	323	192
45°	198	201	205	209	210	155
55°	126	126	128	128	128	114
65°	67	69	69	70	70	67
75°	21	21	20	20	20	24
85°	2	2	0	0	0	3
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°	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4
2°	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	716.1
2.5°	717.8	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	717.8	716.1
5°	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	706.3	704.6	704.6
7.5°	685.0	685.0	685.0	685.0	686.6	686.6	686.6	686.6	688.3	688.3	686.6
10°	660.4	660.4	660.4	660.4	662.0	662.0	663.7	662.0	662.0	663.7	663.7
12.5°	630.9	629.3	629.3	629.3	630.9	632.5	632.5	632.5	634.2	634.2	634.2
15°	594.8	594.8	594.8	596.5	596.5	598.1	599.8	599.8	601.4	601.4	603.0
17.5°	558.8	558.8	557.2	558.8	560.4	562.1	563.7	565.4	567.0	567.0	567.0
20°	519.5	517.8	519.5	521.1	522.7	524.4	526.0	529.3	530.9	530.9	530.9
22.5°	480.1	478.5	480.1	481.8	483.4	485.1	490.0	491.6	493.2	493.2	496.5
25°	440.8	440.8	442.4	444.1	445.7	447.4	450.6	453.9	455.6	457.2	457.2
27.5°	404.8	404.8	404.8	404.8	408.0	411.3	414.6	417.9	419.5	421.1	421.1
30°	370.3	368.7	368.7	370.3	373.6	376.9	380.2	383.5	385.1	386.7	388.4
32.5°	335.9	335.9	335.9	337.6	339.2	344.1	347.4	349.0	352.3	354.0	354.0
35°	304.8	304.8	304.8	308.1	311.4	314.6	316.3	319.5	322.8	322.8	322.8
37.5°	278.6	280.2	283.5	281.9	281.9	283.5	285.1	288.4	291.7	291.7	291.7
40°	249.1	250.7	252.4	250.7	252.4	255.6	257.3	258.9	260.6	262.2	262.2
42.5°	221.2	221.2	221.2	222.9	226.1	227.8	231.1	232.7	234.3	234.3	234.3
45°	198.3	198.3	199.9	201.6	203.2	204.8	206.5	208.1	209.8	209.8	209.8
47.5°	178.6	178.6	180.3	180.3	181.9	183.5	185.2	185.2	186.8	188.5	186.8
50°	160.6	160.6	160.6	162.2	162.2	163.9	163.9	165.5	165.5	165.5	165.5
52.5°	142.6	142.6	142.6	142.6	144.2	144.2	144.2	145.8	145.8	145.8	145.8
55°	126.2	126.2	126.2	126.2	126.2	127.8	127.8	127.8	127.8	127.8	127.8
57.5°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4
60°	96.7	96.7	96.7	96.7	96.7	95.0	96.7	96.7	96.7	96.7	96.7
62.5°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	83.6	83.6	83.6	83.6
65°	67.2	68.8	68.8	68.8	68.8	68.8	68.8	70.5	70.5	70.5	70.5
67.5°	54.1	55.7	55.7	55.7	55.7	55.7	55.7	55.7	57.4	57.4	57.4
70°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	44.2
72.5°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	31.1	31.1	31.1
75°	21.3	21.3	21.3	21.3	19.7	19.7	19.7	19.7	19.7	19.7	19.7
77.5°	14.7	14.7	14.7	13.1	13.1	11.5	11.5	11.5	11.5	11.5	9.8
80°	8.2	8.2	8.2	8.2	8.2	6.6	6.6	4.9	4.9	4.9	4.9
82.5°	4.9	4.9	4.9	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	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)