

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: P1446209

Luminaire Tested: P3ART17R709050DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

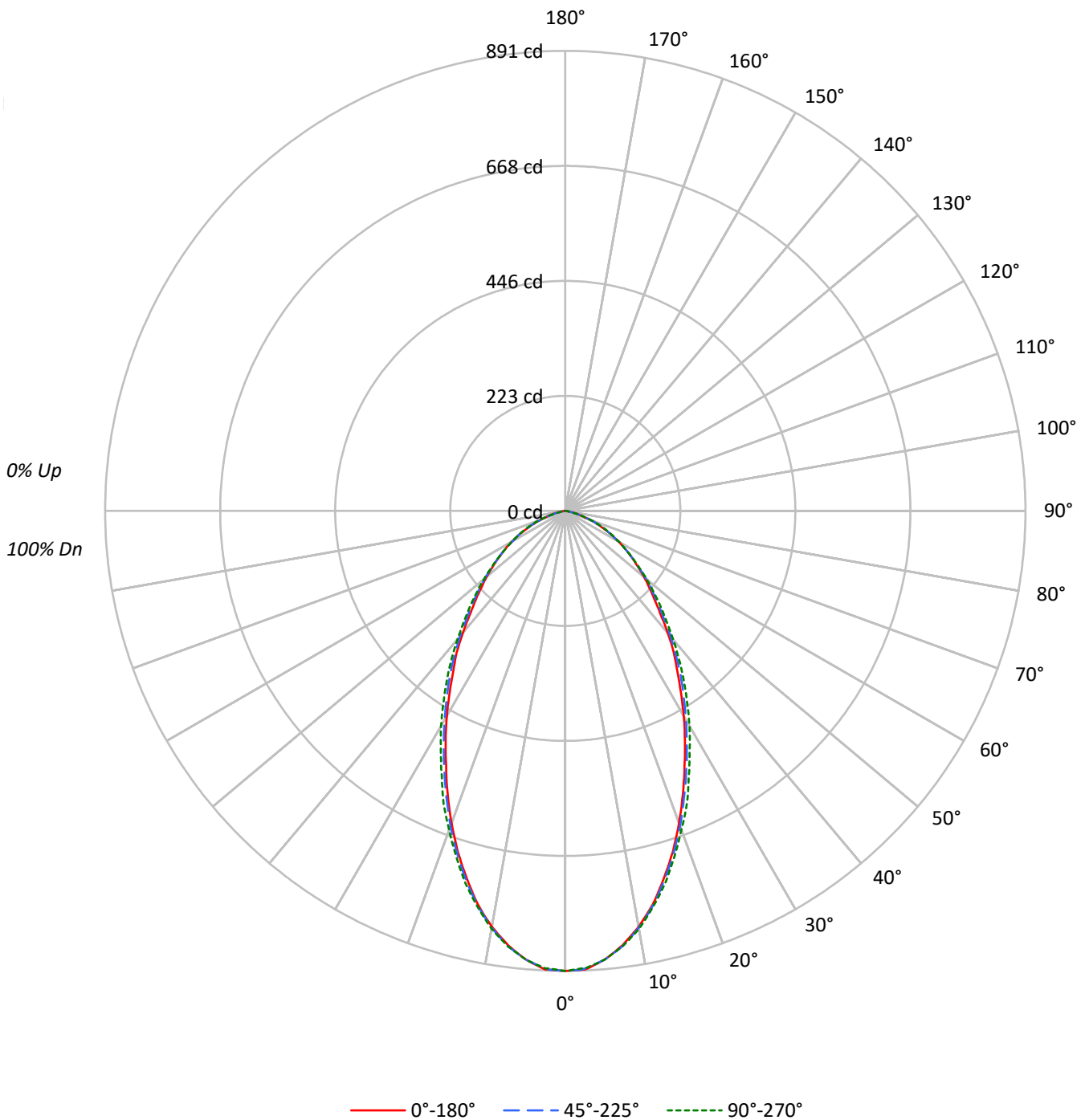
Test Method: LM-79-2019  
Report Number: P1446209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709050DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1241.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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): 21.2  
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°	195379	195379	195379
5°	192097	192097	192097
10°	182116	182562	183029
15°	167243	168173	169558
20°	150140	151563	153453
25°	132104	134064	136992
30°	116144	118195	121791
35°	101054	104320	107023
40°	88308	90627	92946
45°	76163	78675	80567
50°	67853	69251	69934
55°	59754	60519	60519
60°	52496	51619	52496
65°	43169	44207	45297
70°	33852	33852	35134
75°	22367	20673	20673
80°	12754	10229	7703
85°	5032	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 80567 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.6	6.6
10°-20°	206.9	16.7
20°-30°	255.2	20.6
30°-40°	243.2	19.6
40°-50°	196.7	15.9
50°-60°	141.7	11.4
60°-70°	84.8	6.8
70°-80°	28.4	2.3
80°-90°	2.4	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°	543.7	43.8
0°-40°	786.9	63.4
0°-60°	1125.3	90.7
0°-90°	1241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1241.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	873	873	873	873	873	82
15°	737	738	741	743	747	206
25°	546	550	554	563	566	251
35°	378	381	390	397	400	237
45°	246	249	254	258	260	191
55°	156	156	158	158	158	141
65°	83	85	85	87	87	83
75°	26	26	24	24	24	30
85°	2	2	0	0	0	4
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°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0
2°	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	886.9
2.5°	889.0	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	889.0	886.9
5°	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	874.7	872.7	872.7
7.5°	848.4	848.4	848.4	848.4	850.4	850.4	850.4	850.4	852.4	852.4	850.4
10°	817.9	817.9	817.9	817.9	819.9	819.9	822.0	819.9	819.9	822.0	822.0
12.5°	781.4	779.4	779.4	779.4	781.4	783.4	783.4	783.4	785.4	785.4	785.4
15°	736.7	736.7	736.7	738.8	738.8	740.8	742.8	742.8	744.9	744.9	746.9
17.5°	692.1	692.1	690.1	692.1	694.1	696.1	698.2	700.2	702.2	702.2	702.2
20°	643.4	641.3	643.4	645.4	647.4	649.5	651.5	655.6	657.6	657.6	657.6
22.5°	594.7	592.6	594.7	596.7	598.7	600.8	606.8	608.9	610.9	610.9	615.0
25°	546.0	546.0	548.0	550.0	552.0	554.1	558.1	562.2	564.2	566.2	566.2
27.5°	501.3	501.3	501.3	501.3	505.4	509.4	513.5	517.5	519.6	521.6	521.6
30°	458.7	456.7	456.7	458.7	462.7	466.8	470.9	474.9	476.9	479.0	481.0
32.5°	416.1	416.1	416.1	418.1	420.1	426.2	430.3	432.3	436.4	438.4	438.4
35°	377.5	377.5	377.5	381.6	385.6	389.7	391.7	395.8	399.8	399.8	399.8
37.5°	345.0	347.1	351.1	349.1	349.1	351.1	353.1	357.2	361.3	361.3	361.3
40°	308.5	310.5	312.6	310.5	312.6	316.6	318.6	320.7	322.7	324.7	324.7
42.5°	274.0	274.0	274.0	276.0	280.1	282.1	286.2	288.2	290.2	290.2	290.2
45°	245.6	245.6	247.6	249.6	251.7	253.7	255.7	257.8	259.8	259.8	259.8
47.5°	221.2	221.2	223.3	223.3	225.3	227.3	229.3	229.3	231.4	233.4	231.4
50°	198.9	198.9	198.9	200.9	200.9	203.0	203.0	205.0	205.0	205.0	205.0
52.5°	176.6	176.6	176.6	176.6	178.6	178.6	178.6	180.6	180.6	180.6	180.6
55°	156.3	156.3	156.3	156.3	156.3	158.3	158.3	158.3	158.3	158.3	158.3
57.5°	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
60°	119.7	119.7	119.7	119.7	119.7	117.7	119.7	119.7	119.7	119.7	119.7
62.5°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	103.5	103.5	103.5	103.5
65°	83.2	85.2	85.2	85.2	85.2	85.2	85.2	87.3	87.3	87.3	87.3
67.5°	67.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	71.0	71.0	71.0
70°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	54.8
72.5°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	38.6	38.6	38.6
75°	26.4	26.4	26.4	26.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
77.5°	18.3	18.3	18.3	16.2	16.2	14.2	14.2	14.2	14.2	14.2	12.2
80°	10.1	10.1	10.1	10.1	10.1	8.1	8.1	6.1	6.1	6.1	6.1
82.5°	6.1	6.1	6.1	4.1	4.1	4.1	4.1	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	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)