

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: P3ART17R709830DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

**Test Information**

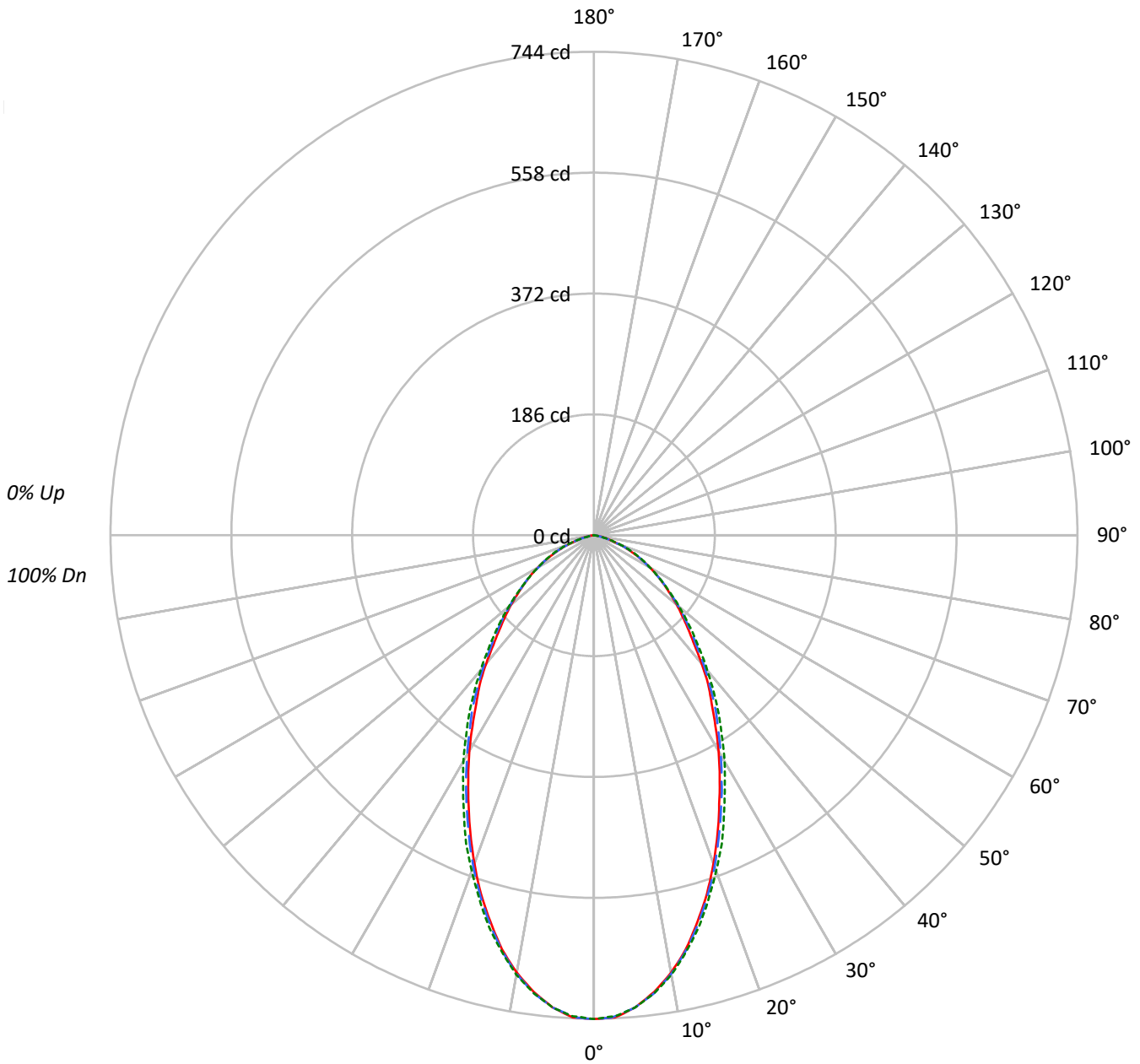
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709830DE010 E3CLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1037.0 lumens  
Efficiency: N/A  
Efficacy: 50.8 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): 20.4  
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°	163254	163254	163254
5°	160532	160532	160532
10°	152190	152569	152948
15°	139751	140523	141681
20°	125451	126641	128228
25°	110377	112023	114490
30°	97053	98775	101762
35°	84430	87161	89436
40°	73795	75742	77688
45°	63635	65743	67325
50°	56697	57857	58437
55°	49929	50579	50579
60°	43900	43154	43900
65°	36061	36943	37825
70°	28274	28274	29364
75°	18639	17284	17284
80°	10734	8587	6440
85°	4277	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 67325 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.2	6.6
10°-20°	172.9	16.7
20°-30°	213.2	20.6
30°-40°	203.2	19.6
40°-50°	164.4	15.9
50°-60°	118.4	11.4
60°-70°	70.9	6.8
70°-80°	23.8	2.3
80°-90°	2.0	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°	454.3	43.8
0°-40°	657.5	63.4
0°-60°	940.3	90.7
0°-90°	1037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	729	729	729	730	729	68
15°	616	617	619	621	624	172
25°	456	459	463	470	473	210
35°	315	318	326	332	334	198
45°	205	208	212	216	217	160
55°	131	131	132	132	132	118
65°	70	71	71	73	73	70
75°	22	22	20	20	20	25
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°	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5	744.5
2°	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	741.1
2.5°	742.8	741.1	741.1	741.1	741.1	741.1	741.1	741.1	741.1	742.8	741.1
5°	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	731.0	729.3	729.3
7.5°	708.9	708.9	708.9	708.9	710.6	710.6	710.6	710.6	712.3	712.3	710.6
10°	683.5	683.5	683.5	683.5	685.2	685.2	686.9	685.2	685.2	686.9	686.9
12.5°	652.9	651.2	651.2	651.2	652.9	654.6	654.6	654.6	656.3	656.3	656.3
15°	615.6	615.6	615.6	617.3	617.3	619.0	620.7	620.7	622.4	622.4	624.1
17.5°	578.3	578.3	576.6	578.3	580.0	581.7	583.4	585.1	586.8	586.8	586.8
20°	537.6	535.9	537.6	539.3	541.0	542.7	544.4	547.8	549.5	549.5	549.5
22.5°	496.9	495.2	496.9	498.6	500.3	502.0	507.1	508.8	510.5	510.5	513.9
25°	456.2	456.2	457.9	459.6	461.3	463.0	466.4	469.8	471.5	473.2	473.2
27.5°	418.9	418.9	418.9	418.9	422.3	425.7	429.1	432.5	434.2	435.9	435.9
30°	383.3	381.6	381.6	383.3	386.7	390.1	393.5	396.9	398.5	400.2	401.9
32.5°	347.7	347.7	347.7	349.4	351.1	356.1	359.5	361.2	364.6	366.3	366.3
35°	315.4	315.4	315.4	318.8	322.2	325.6	327.3	330.7	334.1	334.1	334.1
37.5°	288.3	290.0	293.4	291.7	291.7	293.4	295.1	298.5	301.9	301.9	301.9
40°	257.8	259.5	261.2	259.5	261.2	264.6	266.3	268.0	269.7	271.4	271.4
42.5°	229.0	229.0	229.0	230.6	234.0	235.7	239.1	240.8	242.5	242.5	242.5
45°	205.2	205.2	206.9	208.6	210.3	212.0	213.7	215.4	217.1	217.1	217.1
47.5°	184.9	184.9	186.6	186.6	188.2	189.9	191.6	191.6	193.3	195.0	193.3
50°	166.2	166.2	166.2	167.9	167.9	169.6	169.6	171.3	171.3	171.3	171.3
52.5°	147.5	147.5	147.5	147.5	149.2	149.2	149.2	150.9	150.9	150.9	150.9
55°	130.6	130.6	130.6	130.6	130.6	132.3	132.3	132.3	132.3	132.3	132.3
57.5°	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3
60°	100.1	100.1	100.1	100.1	100.1	98.4	100.1	100.1	100.1	100.1	100.1
62.5°	84.8	84.8	84.8	84.8	84.8	84.8	84.8	86.5	86.5	86.5	86.5
65°	69.5	71.2	71.2	71.2	71.2	71.2	71.2	72.9	72.9	72.9	72.9
67.5°	56.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	59.4	59.4	59.4
70°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	45.8
72.5°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	32.2	32.2	32.2
75°	22.0	22.0	22.0	22.0	20.4	20.4	20.4	20.4	20.4	20.4	20.4
77.5°	15.3	15.3	15.3	13.6	13.6	11.9	11.9	11.9	11.9	11.9	10.2
80°	8.5	8.5	8.5	8.5	8.5	6.8	6.8	5.1	5.1	5.1	5.1
82.5°	5.1	5.1	5.1	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	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)