

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: P1446678

Luminaire Tested: P3ART09R709735DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

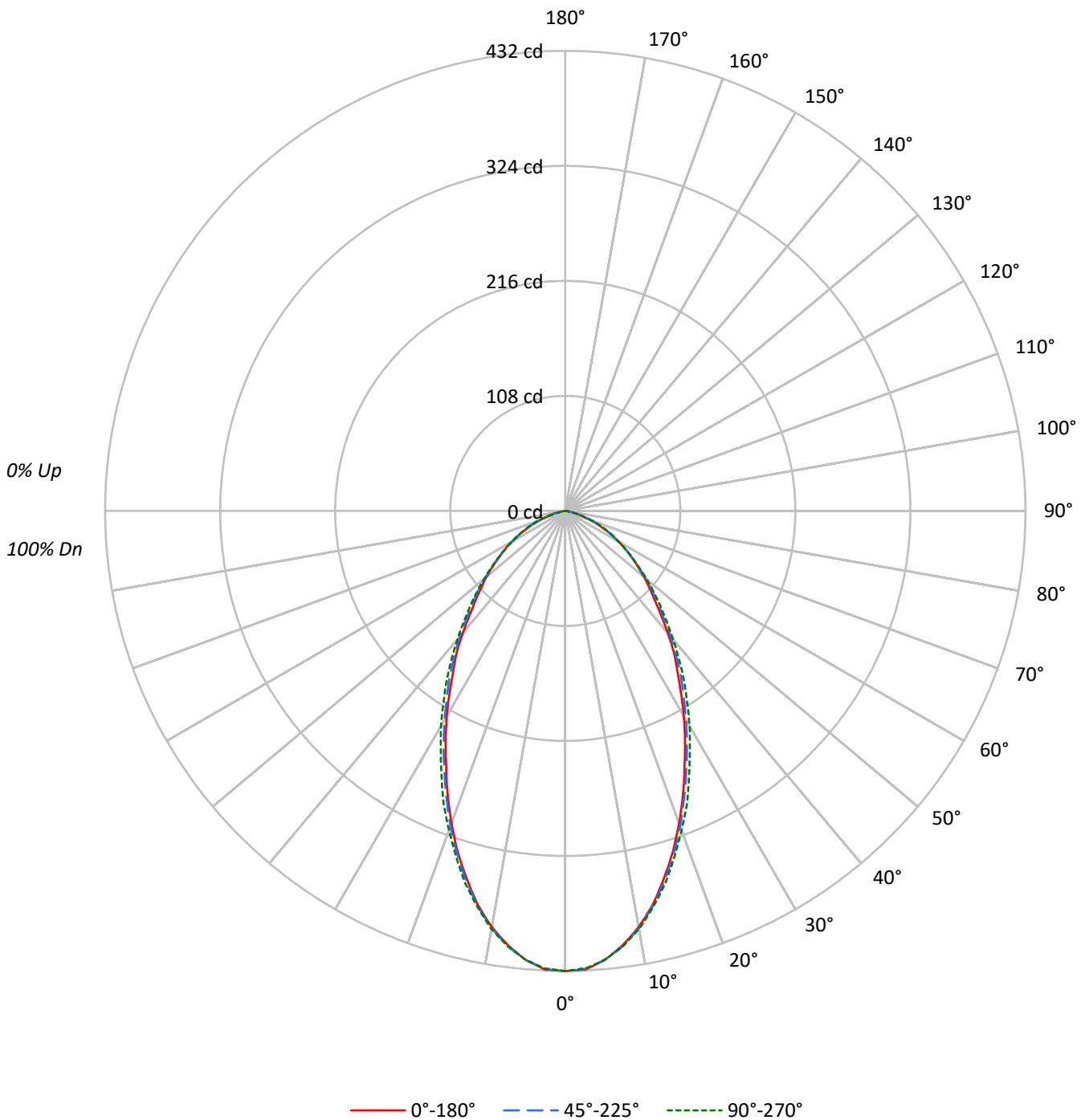
Test Method: LM-79-2019  
Report Number: P1446678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRIS  
Catalog Number: P3ART09R709735DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 602.0 lumens  
Efficiency: N/A  
Efficacy: 54.2 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): 11.1  
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
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°	94773	94773	94773
5°	93176	93176	93176
10°	88353	88553	88776
15°	81136	81590	82248
20°	72830	73506	74440
25°	64068	65036	66464
30°	56338	57325	59072
35°	49014	50594	51932
40°	42823	43968	45084
45°	36934	38175	39074
50°	32920	33602	33909
55°	28979	29361	29361
60°	25480	25042	25480
65°	20962	21481	21948
70°	16413	16413	17054
75°	10845	9997	9997
80°	6188	4925	3788
85°	2516	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 39074 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.6	6.6
10°-20°	100.4	16.7
20°-30°	123.8	20.6
30°-40°	118.0	19.6
40°-50°	95.4	15.9
50°-60°	68.7	11.4
60°-70°	41.2	6.8
70°-80°	13.8	2.3
80°-90°	1.2	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°	263.8	43.8
0°-40°	381.7	63.4
0°-60°	545.9	90.7
0°-90°	602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	423	423	423	424	423	40
15°	357	358	359	361	362	100
25°	265	267	269	273	275	122
35°	183	185	189	192	194	115
45°	119	121	123	125	126	93
55°	76	76	77	77	77	68
65°	40	41	41	42	42	40
75°	13	13	12	12	12	14
85°	1	1	0	0	0	2
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°	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2
2°	431.2	431.2	431.2	431.2	431.2	431.2	431.2	431.2	431.2	431.2	430.2
2.5°	431.2	430.2	430.2	430.2	430.2	430.2	430.2	430.2	430.2	431.2	430.2
5°	423.3	423.3	423.3	423.3	423.3	423.3	423.3	423.3	424.3	423.3	423.3
7.5°	411.5	411.5	411.5	411.5	412.5	412.5	412.5	412.5	413.5	413.5	412.5
10°	396.8	396.8	396.8	396.8	397.7	397.7	398.7	397.7	397.7	398.7	398.7
12.5°	379.0	378.1	378.1	378.1	379.0	380.0	380.0	380.0	381.0	381.0	381.0
15°	357.4	357.4	357.4	358.4	358.4	359.4	360.3	360.3	361.3	361.3	362.3
17.5°	335.7	335.7	334.7	335.7	336.7	337.7	338.7	339.7	340.6	340.6	340.6
20°	312.1	311.1	312.1	313.1	314.1	315.0	316.0	318.0	319.0	319.0	319.0
22.5°	288.5	287.5	288.5	289.5	290.4	291.4	294.4	295.4	296.3	296.3	298.3
25°	264.8	264.8	265.8	266.8	267.8	268.8	270.7	272.7	273.7	274.7	274.7
27.5°	243.2	243.2	243.2	243.2	245.1	247.1	249.1	251.1	252.0	253.0	253.0
30°	222.5	221.5	221.5	222.5	224.5	226.4	228.4	230.4	231.4	232.3	233.3
32.5°	201.8	201.8	201.8	202.8	203.8	206.8	208.7	209.7	211.7	212.7	212.7
35°	183.1	183.1	183.1	185.1	187.1	189.0	190.0	192.0	194.0	194.0	194.0
37.5°	167.4	168.4	170.3	169.3	169.3	170.3	171.3	173.3	175.2	175.2	175.2
40°	149.6	150.6	151.6	150.6	151.6	153.6	154.6	155.6	156.5	157.5	157.5
42.5°	132.9	132.9	132.9	133.9	135.9	136.8	138.8	139.8	140.8	140.8	140.8
45°	119.1	119.1	120.1	121.1	122.1	123.1	124.1	125.0	126.0	126.0	126.0
47.5°	107.3	107.3	108.3	108.3	109.3	110.3	111.3	111.3	112.2	113.2	112.2
50°	96.5	96.5	96.5	97.5	97.5	98.5	98.5	99.4	99.4	99.4	99.4
52.5°	85.7	85.7	85.7	85.7	86.6	86.6	86.6	87.6	87.6	87.6	87.6
55°	75.8	75.8	75.8	75.8	75.8	76.8	76.8	76.8	76.8	76.8	76.8
57.5°	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
60°	58.1	58.1	58.1	58.1	58.1	57.1	58.1	58.1	58.1	58.1	58.1
62.5°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	50.2	50.2	50.2	50.2
65°	40.4	41.4	41.4	41.4	41.4	41.4	41.4	42.3	42.3	42.3	42.3
67.5°	32.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.5	34.5	34.5
70°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	26.6
72.5°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.7	18.7	18.7
75°	12.8	12.8	12.8	12.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
77.5°	8.9	8.9	8.9	7.9	7.9	6.9	6.9	6.9	6.9	6.9	5.9
80°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	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)