

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: P1445768

Luminaire Tested: P3ART09R709027DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

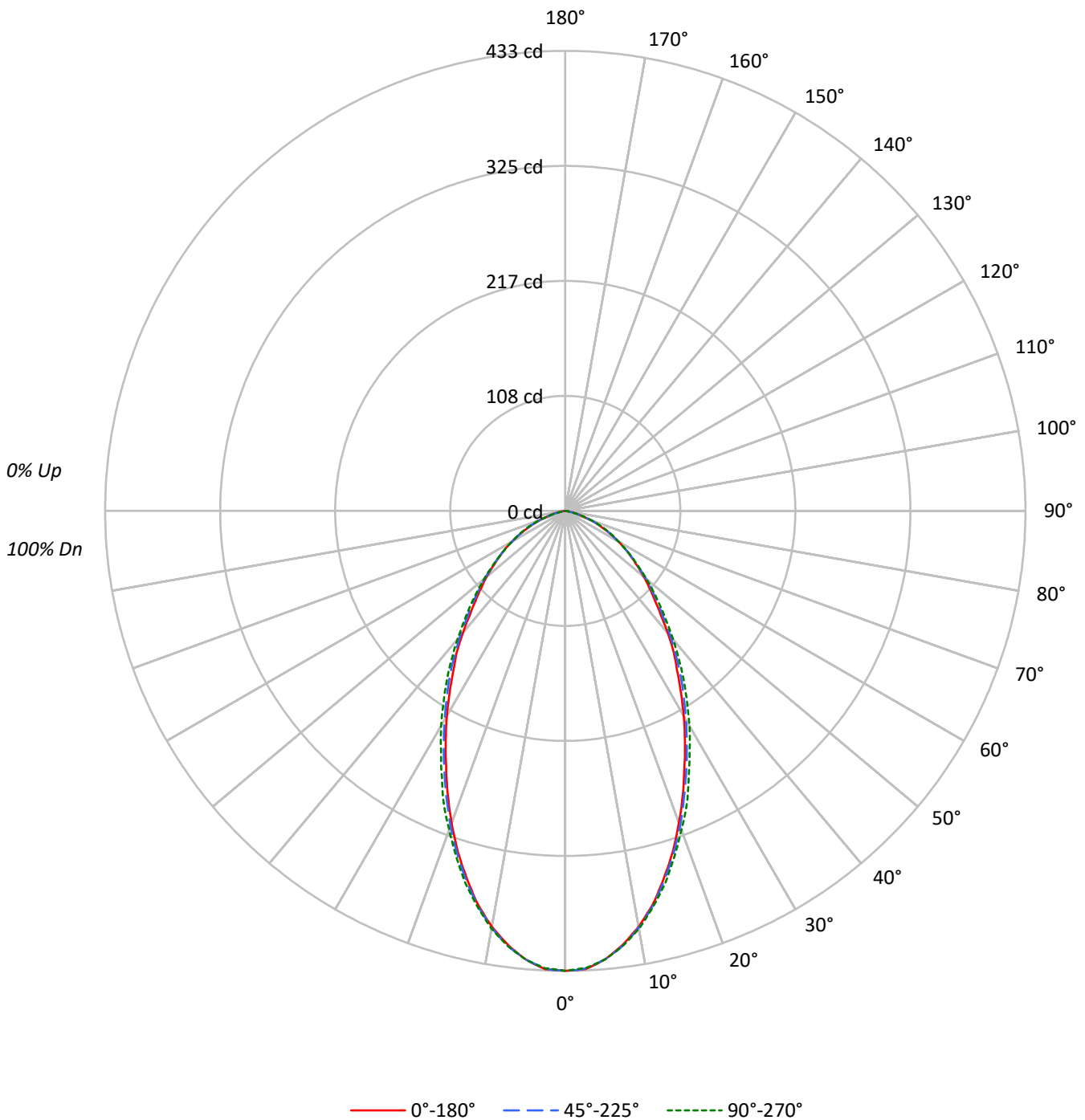
Test Method: LM-79-2019  
Report Number: P1445768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709027DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 603.0 lumens  
Efficiency: N/A  
Efficacy: 54.3 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): 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	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°	94927	94927	94927
5°	93352	93352	93352
10°	88486	88709	88932
15°	81272	81703	82384
20°	72946	73646	74556
25°	64189	65133	66560
30°	56439	57427	59174
35°	49095	50674	52013
40°	42909	44025	45170
45°	36996	38237	39136
50°	32954	33636	33978
55°	29017	29399	29399
60°	25524	25086	25524
65°	20962	21481	22000
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: 39136 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.7	6.6
10°-20°	100.5	16.7
20°-30°	124.0	20.6
30°-40°	118.2	19.6
40°-50°	95.6	15.9
50°-60°	68.9	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°	264.2	43.8
0°-40°	382.3	63.4
0°-60°	546.8	90.7
0°-90°	603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	433	433	433	433	433	
5°	424	424	424	424	424	40
15°	358	359	360	361	363	100
25°	265	267	269	273	275	122
35°	183	185	189	193	194	115
45°	119	121	123	125	126	93
55°	76	76	77	77	77	68
65°	40	41	41	42	42	41
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°	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9
2°	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.9	431.0
2.5°	431.9	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.9	431.0
5°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	425.0	424.1	424.1
7.5°	412.2	412.2	412.2	412.2	413.2	413.2	413.2	413.2	414.2	414.2	413.2
10°	397.4	397.4	397.4	397.4	398.4	398.4	399.4	398.4	398.4	399.4	399.4
12.5°	379.7	378.7	378.7	378.7	379.7	380.7	380.7	380.7	381.6	381.6	381.6
15°	358.0	358.0	358.0	359.0	359.0	359.9	360.9	360.9	361.9	361.9	362.9
17.5°	336.3	336.3	335.3	336.3	337.3	338.3	339.2	340.2	341.2	341.2	341.2
20°	312.6	311.6	312.6	313.6	314.6	315.6	316.6	318.5	319.5	319.5	319.5
22.5°	288.9	288.0	288.9	289.9	290.9	291.9	294.9	295.8	296.8	296.8	298.8
25°	265.3	265.3	266.3	267.3	268.2	269.2	271.2	273.2	274.2	275.1	275.1
27.5°	243.6	243.6	243.6	243.6	245.6	247.5	249.5	251.5	252.5	253.4	253.4
30°	222.9	221.9	221.9	222.9	224.8	226.8	228.8	230.8	231.7	232.7	233.7
32.5°	202.2	202.2	202.2	203.1	204.1	207.1	209.1	210.1	212.0	213.0	213.0
35°	183.4	183.4	183.4	185.4	187.4	189.3	190.3	192.3	194.3	194.3	194.3
37.5°	167.6	168.6	170.6	169.6	169.6	170.6	171.6	173.6	175.5	175.5	175.5
40°	149.9	150.9	151.9	150.9	151.9	153.8	154.8	155.8	156.8	157.8	157.8
42.5°	133.1	133.1	133.1	134.1	136.1	137.1	139.0	140.0	141.0	141.0	141.0
45°	119.3	119.3	120.3	121.3	122.3	123.3	124.3	125.2	126.2	126.2	126.2
47.5°	107.5	107.5	108.5	108.5	109.5	110.5	111.4	111.4	112.4	113.4	112.4
50°	96.6	96.6	96.6	97.6	97.6	98.6	98.6	99.6	99.6	99.6	99.6
52.5°	85.8	85.8	85.8	85.8	86.8	86.8	86.8	87.8	87.8	87.8	87.8
55°	75.9	75.9	75.9	75.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9
57.5°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
60°	58.2	58.2	58.2	58.2	58.2	57.2	58.2	58.2	58.2	58.2	58.2
62.5°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	50.3	50.3	50.3	50.3
65°	40.4	41.4	41.4	41.4	41.4	41.4	41.4	42.4	42.4	42.4	42.4
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°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	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)