

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: P1445903

Luminaire Tested: P3ART09R709030DE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

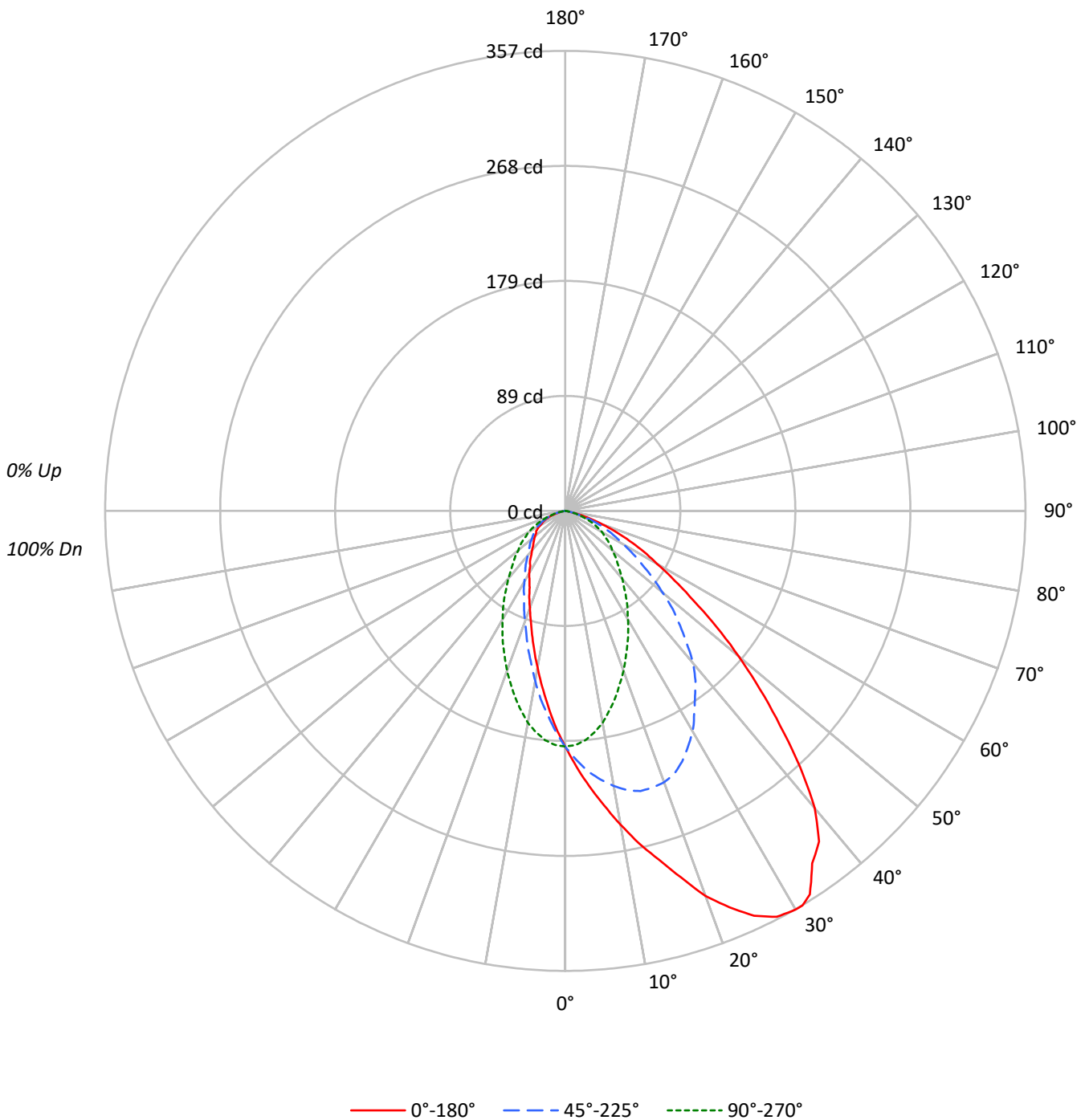
Test Method: LM-79-2019  
Report Number: P1445903  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709030DE010 E3LCWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 372.0 lumens  
Efficiency: N/A  
Efficacy: 33.5 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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			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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

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

	0°	45°	90°	135°	180°
0°	40106	40106	40106	40106	40106
5°	47237	44662	39313	34889	33502
10°	55065	48251	37185	29881	27543
15°	63587	51101	34075	25199	22565
20°	74230	52295	30826	21212	18738
25°	83884	51922	27631	18146	15848
30°	90470	50058	24611	16053	14179
35°	89409	46980	22058	14429	12742
40°	86219	44168	19665	12996	11507
45°	73093	39012	17707	12125	10823
50°	59870	33534	16238	11531	10473
55°	46488	27870	15369	11316	10513
60°	36137	23156	14385	11139	9736
65°	28537	19198	12608	10429	9340
70°	19683	14233	10194	8784	8142
75°	9828	8049	7202	6270	5338
80°	1389	2652	4041	2652	1389
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 73093 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.1	4.6
10°-20°	47.6	12.8
20°-30°	70.2	18.9
30°-40°	78.7	21.2
40°-50°	69.2	18.6
50°-60°	49.5	13.3
60°-70°	29.3	7.9
70°-80°	9.8	2.6
80°-90°	0.5	0.1
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°	134.9	36.3
0°-40°	213.7	57.4
0°-60°	332.4	89.3
0°-90°	372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	372.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	183	183	183	183	183	
5°	215	203	179	158	152	21
15°	280	225	150	111	99	81
25°	347	215	114	75	66	159
35°	334	176	82	54	48	210
45°	236	126	57	39	35	182
55°	122	73	40	30	28	111
65°	55	37	24	20	18	55
75°	12	10	8	7	6	14
85°	0	0	0	0	0	0
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°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9
2.5°	198.7	198.7	198.7	196.6	196.6	193.4	191.3	188.1	186.0	182.9	181.8
5°	214.6	214.6	212.4	210.3	207.2	202.9	197.7	192.4	186.0	180.7	178.6
7.5°	230.4	231.5	228.3	224.1	217.7	210.3	202.9	194.5	185.0	177.6	173.3
10°	247.3	247.3	243.1	236.8	227.2	216.7	205.0	193.4	181.8	171.2	167.0
12.5°	264.2	263.2	257.9	248.4	236.8	222.0	206.1	191.3	177.6	164.9	158.5
15°	280.1	280.1	272.7	261.1	244.2	225.1	206.1	187.1	171.2	156.4	150.1
17.5°	298.1	298.1	288.5	270.6	249.4	225.1	202.9	181.8	163.8	148.0	140.6
20°	318.1	317.1	303.3	279.0	251.6	224.1	198.7	175.5	155.4	138.5	132.1
22.5°	332.9	331.9	316.0	286.4	252.6	220.9	191.3	167.0	146.9	130.0	122.6
25°	346.7	344.6	326.6	289.6	250.5	214.6	183.9	157.5	138.5	121.6	114.2
27.5°	355.1	354.1	334.0	288.5	245.2	206.1	174.4	149.0	128.9	112.0	105.7
30°	357.3	358.3	334.0	283.3	236.8	197.7	164.9	139.5	119.4	104.6	97.2
31°	357.3	358.3	331.9	280.1	233.6	193.4	160.7	136.3	115.2	100.4	94.1
32.5°	353.0	350.9	328.7	274.8	226.2	186.0	155.4	131.1	109.9	95.1	89.8
35°	334.0	335.1	318.1	263.2	215.6	175.5	144.8	120.5	100.4	87.7	82.4
37.5°	323.4	323.4	292.8	247.3	204.0	165.9	132.1	108.9	92.0	80.3	75.0
40°	301.2	298.1	269.5	230.4	190.3	154.3	124.7	101.5	84.6	72.9	68.7
42.5°	269.5	266.4	244.2	215.6	172.3	139.5	118.4	89.8	76.1	66.6	62.4
45°	235.7	233.6	216.7	190.3	155.4	125.8	102.5	82.4	69.8	60.2	57.1
47.5°	205.0	201.9	189.2	169.1	140.6	113.1	88.8	74.0	62.4	55.0	52.8
50°	175.5	174.4	163.8	148.0	124.7	98.3	78.2	65.5	57.1	50.7	47.6
52.5°	148.0	145.9	140.6	127.9	108.9	85.6	68.7	58.1	50.7	46.5	44.4
55°	121.6	121.6	116.3	107.8	93.0	72.9	60.2	51.8	45.4	42.3	40.2
57.5°	100.4	100.4	96.2	90.9	77.2	62.4	52.8	45.4	41.2	38.1	35.9
60°	82.4	82.4	79.3	74.0	64.5	52.8	45.4	40.2	37.0	33.8	32.8
62.5°	68.7	67.6	65.5	60.2	52.8	44.4	39.1	34.9	31.7	29.6	28.5
65°	55.0	53.9	51.8	47.6	42.3	37.0	32.8	29.6	27.5	25.4	24.3
67.5°	42.3	42.3	40.2	37.0	32.8	29.6	26.4	24.3	22.2	21.1	20.1
70°	30.7	30.7	29.6	27.5	24.3	22.2	20.1	19.0	18.0	16.9	15.9
72.5°	21.1	21.1	20.1	19.0	16.9	15.9	13.7	13.7	12.7	12.7	11.6
75°	11.6	11.6	11.6	10.6	10.6	9.5	9.5	9.5	8.5	8.5	8.5
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
80°	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1	3.2	3.2	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9
2.5°	180.7	177.6	175.5	174.4	171.2	170.2	169.1	168.1	168.1	168.1
5°	176.5	171.2	165.9	162.8	158.5	156.4	154.3	153.3	152.2	152.2
7.5°	169.1	162.8	156.4	151.1	146.9	142.7	140.6	138.5	138.5	137.4
10°	161.7	153.3	145.9	138.5	134.2	128.9	126.8	124.7	123.7	123.7
12.5°	153.3	142.7	134.2	127.9	121.6	117.3	114.2	112.0	111.0	111.0
15°	143.7	133.2	123.7	117.3	111.0	105.7	102.5	100.4	99.4	99.4
17.5°	134.2	123.7	113.1	106.8	100.4	95.1	93.0	90.9	89.8	88.8
20°	125.8	113.1	104.6	96.2	90.9	86.7	83.5	81.4	80.3	80.3
22.5°	116.3	104.6	95.1	88.8	83.5	79.3	75.0	74.0	72.9	72.9
25°	106.8	96.2	87.7	81.4	75.0	71.9	68.7	66.6	66.6	65.5
27.5°	99.4	88.8	80.3	74.0	69.8	65.5	63.4	61.3	60.2	60.2
30°	90.9	81.4	74.0	68.7	63.4	60.2	58.1	56.0	56.0	56.0
31°	88.8	79.3	71.9	65.5	61.3	58.1	56.0	55.0	53.9	53.9
32.5°	83.5	75.0	67.6	62.4	58.1	55.0	52.8	51.8	51.8	50.7
35°	77.2	68.7	62.4	57.1	53.9	50.7	48.6	47.6	47.6	47.6
37.5°	70.8	63.4	57.1	52.8	49.7	46.5	45.4	43.3	43.3	43.3
40°	64.5	58.1	52.8	48.6	45.4	43.3	42.3	41.2	40.2	40.2
42.5°	59.2	52.8	48.6	45.4	42.3	40.2	39.1	38.1	38.1	37.0
45°	53.9	48.6	45.4	42.3	39.1	38.1	37.0	35.9	34.9	34.9
47.5°	49.7	45.4	41.2	39.1	37.0	34.9	33.8	33.8	32.8	32.8
50°	45.4	41.2	38.1	35.9	33.8	32.8	31.7	31.7	30.7	30.7
52.5°	42.3	38.1	35.9	33.8	31.7	30.7	29.6	29.6	28.5	28.5
55°	38.1	34.9	32.8	31.7	29.6	28.5	27.5	26.4	26.4	27.5
57.5°	34.9	32.8	30.7	29.6	27.5	26.4	25.4	25.4	24.3	25.4
60°	31.7	29.6	27.5	26.4	25.4	24.3	23.3	22.2	22.2	22.2
62.5°	28.5	26.4	25.4	23.3	22.2	22.2	21.1	21.1	21.1	20.1
65°	24.3	23.3	22.2	21.1	20.1	19.0	19.0	18.0	18.0	18.0
67.5°	20.1	19.0	18.0	18.0	16.9	15.9	15.9	15.9	15.9	14.8
70°	15.9	14.8	14.8	13.7	13.7	13.7	12.7	12.7	12.7	12.7
72.5°	11.6	11.6	10.6	10.6	10.6	10.6	9.5	9.5	9.5	9.5
75°	8.5	8.5	8.5	7.4	7.4	7.4	6.3	6.3	6.3	6.3
77.5°	5.3	5.3	5.3	5.3	5.3	4.2	4.2	4.2	4.2	4.2
80°	3.2	3.2	3.2	3.2	2.1	2.1	2.1	2.1	2.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)