

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: P1445643

Luminaire Tested: P3ART09R709024DE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

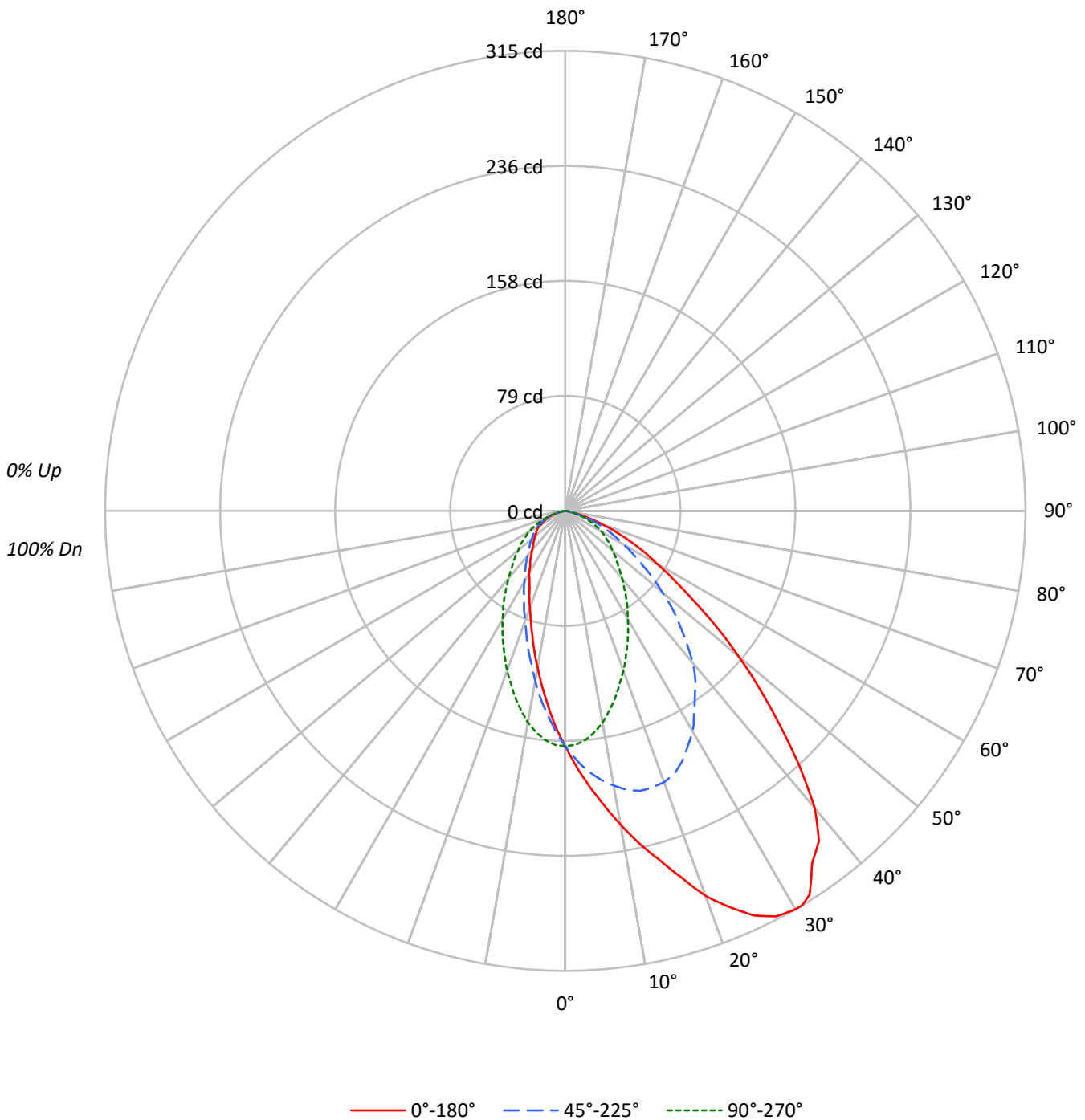
Test Method: LM-79-2019  
Report Number: P1445643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709024DE010 E3LCWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 328.0 lumens  
Efficiency: N/A  
Efficacy: 29.6 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			
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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

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

	0°	45°	90°	135°	180°
0°	35348	35348	35348	35348	35348
5°	41646	39379	34669	30773	29540
10°	48563	42529	32776	26363	24270
15°	56073	45063	30034	22225	19887
20°	65456	46111	27186	18692	16521
25°	73964	45777	24340	16017	13985
30°	79759	44133	21700	14154	12508
35°	78835	41412	19461	12715	11216
40°	76028	38959	17347	11479	10133
45°	64441	34391	15599	10699	9551
50°	52774	29577	14294	10166	9211
55°	40983	24582	13534	9978	9252
60°	31883	20437	12674	9824	8596
65°	25165	16915	11104	9184	8198
70°	17311	12566	8976	7758	7181
75°	8727	7117	6354	5507	4745
80°	1137	2399	3536	2399	1137
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 64441 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.1	4.6
10°-20°	42.0	12.8
20°-30°	61.9	18.9
30°-40°	69.4	21.2
40°-50°	61.0	18.6
50°-60°	43.7	13.3
60°-70°	25.9	7.9
70°-80°	8.7	2.6
80°-90°	0.4	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°	119.0	36.3
0°-40°	188.4	57.4
0°-60°	293.1	89.3
0°-90°	328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	161	161	161	161	161	
5°	189	179	158	140	134	19
15°	247	198	132	98	88	71
25°	306	189	101	66	58	141
35°	294	155	73	48	42	185
45°	208	111	50	34	31	161
55°	107	64	35	26	24	98
65°	48	33	21	18	16	48
75°	10	8	8	6	6	12
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°	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2
2.5°	175.2	175.2	175.2	173.3	173.3	170.5	168.7	165.9	164.0	161.2	160.3
5°	189.2	189.2	187.3	185.5	182.7	178.9	174.3	169.6	164.0	159.4	157.5
7.5°	203.2	204.1	201.3	197.6	192.0	185.5	178.9	171.5	163.1	156.6	152.8
10°	218.1	218.1	214.3	208.8	200.4	191.0	180.8	170.5	160.3	151.0	147.2
12.5°	233.0	232.1	227.4	219.0	208.8	195.7	181.7	168.7	156.6	145.4	139.8
15°	247.0	247.0	240.4	230.2	215.3	198.5	181.7	165.0	151.0	137.9	132.3
17.5°	262.8	262.8	254.4	238.6	219.9	198.5	178.9	160.3	144.5	130.5	123.9
20°	280.5	279.6	267.5	246.0	221.8	197.6	175.2	154.7	137.0	122.1	116.5
22.5°	293.6	292.6	278.7	252.6	222.7	194.8	168.7	147.2	129.5	114.6	108.1
25°	305.7	303.8	288.0	255.4	220.9	189.2	162.2	138.9	122.1	107.2	100.6
27.5°	313.1	312.2	294.5	254.4	216.2	181.7	153.8	131.4	113.7	98.8	93.2
30°	315.0	315.9	294.5	249.8	208.8	174.3	145.4	123.0	105.3	92.3	85.7
31°	315.0	315.9	292.6	247.0	206.0	170.5	141.7	120.2	101.6	88.5	82.9
32.5°	311.3	309.4	289.8	242.3	199.4	164.0	137.0	115.6	96.9	83.9	79.2
35°	294.5	295.4	280.5	232.1	190.1	154.7	127.7	106.2	88.5	77.4	72.7
37.5°	285.2	285.2	258.1	218.1	179.9	146.3	116.5	96.0	81.1	70.8	66.2
40°	265.6	262.8	237.6	203.2	167.7	136.1	110.0	89.5	74.6	64.3	60.6
42.5°	237.6	234.8	215.3	190.1	151.9	123.0	104.4	79.2	67.1	58.7	55.0
45°	207.8	206.0	191.0	167.7	137.0	110.9	90.4	72.7	61.5	53.1	50.3
47.5°	180.8	178.0	166.8	149.1	123.9	99.7	78.3	65.2	55.0	48.5	46.6
50°	154.7	153.8	144.5	130.5	110.0	86.7	69.0	57.8	50.3	44.7	41.9
52.5°	130.5	128.6	123.9	112.8	96.0	75.5	60.6	51.3	44.7	41.0	39.1
55°	107.2	107.2	102.5	95.1	82.0	64.3	53.1	45.7	40.1	37.3	35.4
57.5°	88.5	88.5	84.8	80.1	68.0	55.0	46.6	40.1	36.3	33.5	31.7
60°	72.7	72.7	69.9	65.2	56.8	46.6	40.1	35.4	32.6	29.8	28.9
62.5°	60.6	59.6	57.8	53.1	46.6	39.1	34.5	30.8	28.0	26.1	25.2
65°	48.5	47.5	45.7	41.9	37.3	32.6	28.9	26.1	24.2	22.4	21.4
67.5°	37.3	37.3	35.4	32.6	28.9	26.1	23.3	21.4	19.6	18.6	17.7
70°	27.0	27.0	26.1	24.2	21.4	19.6	17.7	16.8	15.8	14.9	14.0
72.5°	18.6	18.6	17.7	16.8	14.9	14.0	12.1	12.1	11.2	11.2	10.3
75°	10.3	10.3	10.3	9.3	9.3	8.4	8.4	8.4	7.5	7.5	7.5
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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°	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2
2.5°	159.4	156.6	154.7	153.8	151.0	150.0	149.1	148.2	148.2	148.2
5°	155.6	151.0	146.3	143.5	139.8	137.9	136.1	135.1	134.2	134.2
7.5°	149.1	143.5	137.9	133.3	129.5	125.8	123.9	122.1	122.1	121.2
10°	142.6	135.1	128.6	122.1	118.4	113.7	111.8	110.0	109.0	109.0
12.5°	135.1	125.8	118.4	112.8	107.2	103.4	100.6	98.8	97.9	97.9
15°	126.7	117.4	109.0	103.4	97.9	93.2	90.4	88.5	87.6	87.6
17.5°	118.4	109.0	99.7	94.1	88.5	83.9	82.0	80.1	79.2	78.3
20°	110.9	99.7	92.3	84.8	80.1	76.4	73.6	71.8	70.8	70.8
22.5°	102.5	92.3	83.9	78.3	73.6	69.9	66.2	65.2	64.3	64.3
25°	94.1	84.8	77.4	71.8	66.2	63.4	60.6	58.7	58.7	57.8
27.5°	87.6	78.3	70.8	65.2	61.5	57.8	55.9	54.1	53.1	53.1
30°	80.1	71.8	65.2	60.6	55.9	53.1	51.3	49.4	49.4	49.4
31°	78.3	69.9	63.4	57.8	54.1	51.3	49.4	48.5	47.5	47.5
32.5°	73.6	66.2	59.6	55.0	51.3	48.5	46.6	45.7	45.7	44.7
35°	68.0	60.6	55.0	50.3	47.5	44.7	42.9	41.9	41.9	41.9
37.5°	62.4	55.9	50.3	46.6	43.8	41.0	40.1	38.2	38.2	38.2
40°	56.8	51.3	46.6	42.9	40.1	38.2	37.3	36.3	35.4	35.4
42.5°	52.2	46.6	42.9	40.1	37.3	35.4	34.5	33.5	33.5	32.6
45°	47.5	42.9	40.1	37.3	34.5	33.5	32.6	31.7	30.8	30.8
47.5°	43.8	40.1	36.3	34.5	32.6	30.8	29.8	29.8	28.9	28.9
50°	40.1	36.3	33.5	31.7	29.8	28.9	28.0	28.0	27.0	27.0
52.5°	37.3	33.5	31.7	29.8	28.0	27.0	26.1	26.1	25.2	25.2
55°	33.5	30.8	28.9	28.0	26.1	25.2	24.2	23.3	23.3	24.2
57.5°	30.8	28.9	27.0	26.1	24.2	23.3	22.4	22.4	21.4	22.4
60°	28.0	26.1	24.2	23.3	22.4	21.4	20.5	19.6	19.6	19.6
62.5°	25.2	23.3	22.4	20.5	19.6	19.6	18.6	18.6	18.6	17.7
65°	21.4	20.5	19.6	18.6	17.7	16.8	16.8	15.8	15.8	15.8
67.5°	17.7	16.8	15.8	15.8	14.9	14.0	14.0	14.0	14.0	13.0
70°	14.0	13.0	13.0	12.1	12.1	12.1	11.2	11.2	11.2	11.2
72.5°	10.3	10.3	9.3	9.3	9.3	9.3	8.4	8.4	8.4	8.4
75°	7.5	7.5	7.5	6.5	6.5	6.5	5.6	5.6	5.6	5.6
77.5°	4.7	4.7	4.7	4.7	4.7	3.7	3.7	3.7	3.7	3.7
80°	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	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)