

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: P1446791

Luminaire Tested: P3ART05R709740DE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

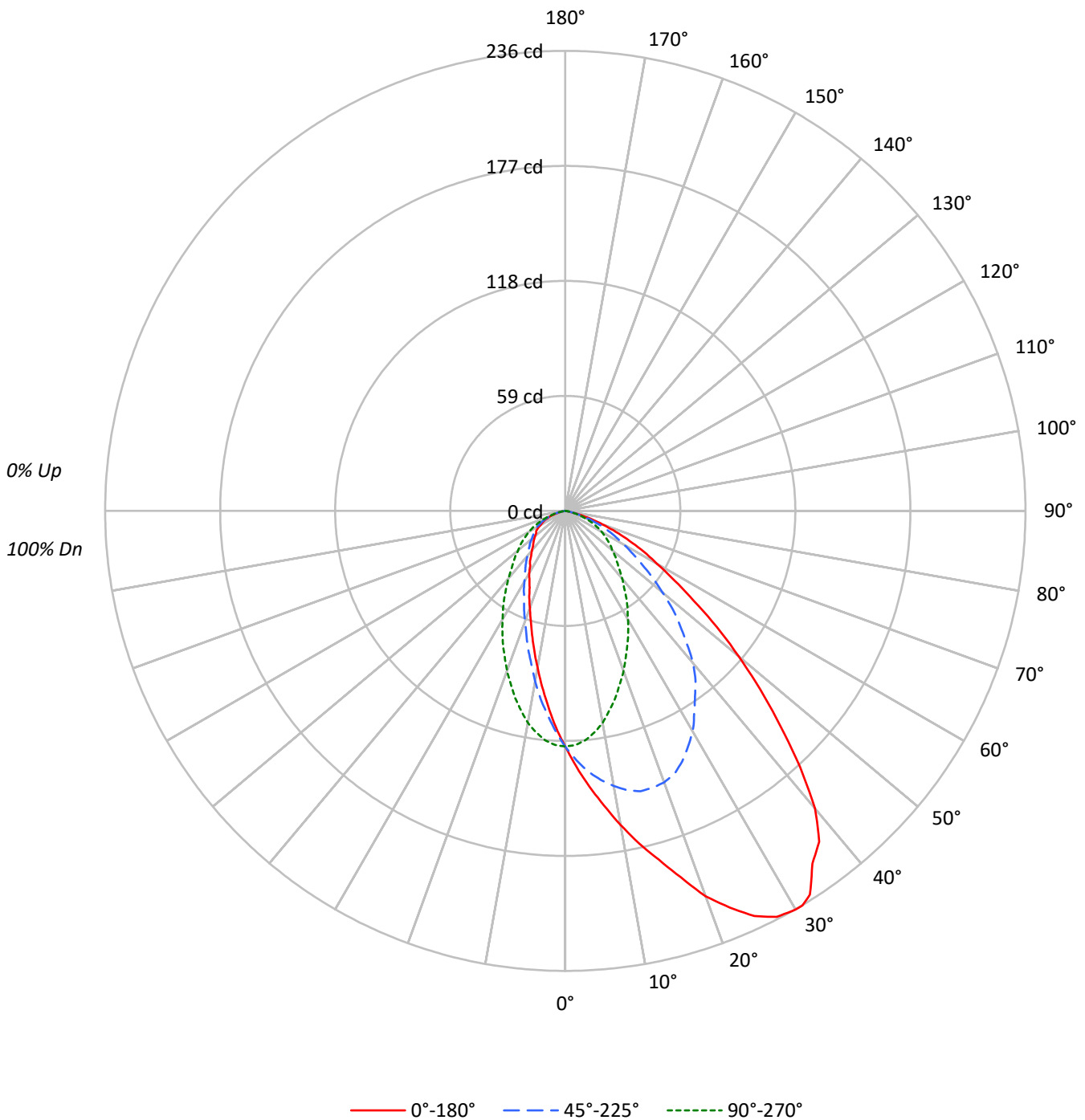
Test Method: LM-79-2019  
Report Number: P1446791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709740DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 246.0 lumens  
Efficiency: N/A  
Efficacy: 34.2 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): 7.2  
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	100	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33	33	33	33
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31

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

	0°	45°	90°	135°	180°
0°	26511	26511	26511	26511	26511
5°	31235	29540	25996	23068	22144
10°	36428	31908	24582	19773	18214
15°	42043	33803	22543	16663	14915
20°	49098	34583	20395	14025	12391
25°	55479	34333	18267	12001	10476
30°	59807	33094	16281	10609	9369
35°	59133	31052	14589	9530	8432
40°	57021	29198	12996	8616	7614
45°	48346	25801	11691	8032	7164
50°	39572	22174	10746	7642	6925
55°	30737	18427	10169	7493	6958
60°	23902	15306	9517	7368	6447
65°	18835	12712	8354	6901	6174
70°	13015	9425	6732	5834	5386
75°	6524	5338	4745	4151	3558
80°	884	1768	2652	1768	884
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 48346 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	4.6
10°-20°	31.5	12.8
20°-30°	46.4	18.9
30°-40°	52.0	21.2
40°-50°	45.8	18.6
50°-60°	32.8	13.3
60°-70°	19.4	7.9
70°-80°	6.5	2.6
80°-90°	0.3	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
<b>0°-30°</b>	<b>89.2</b>	<b>36.3</b>
<b>0°-40°</b>	<b>141.3</b>	<b>57.4</b>
<b>0°-60°</b>	<b>219.8</b>	<b>89.3</b>
<b>0°-90°</b>	<b>246.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>246.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	142	134	118	105	101	14
15°	185	149	99	73	66	53
25°	229	142	76	50	43	105
35°	221	116	54	36	32	139
45°	156	83	38	26	23	121
55°	80	48	27	20	18	73
65°	36	24	16	13	12	36
75°	8	6	6	5	4	9
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°	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9
2.5°	131.4	131.4	131.4	130.0	130.0	127.9	126.5	124.4	123.0	120.9	120.2
5°	141.9	141.9	140.5	139.1	137.0	134.2	130.7	127.2	123.0	119.5	118.1
7.5°	152.4	153.1	151.0	148.2	144.0	139.1	134.2	128.6	122.3	117.4	114.6
10°	163.6	163.6	160.8	156.6	150.3	143.3	135.6	127.9	120.2	113.2	110.4
12.5°	174.7	174.0	170.5	164.3	156.6	146.8	136.3	126.5	117.4	109.0	104.8
15°	185.2	185.2	180.3	172.6	161.5	148.9	136.3	123.7	113.2	103.4	99.3
17.5°	197.1	197.1	190.8	178.9	165.0	148.9	134.2	120.2	108.3	97.9	93.0
20°	210.4	209.7	200.6	184.5	166.4	148.2	131.4	116.0	102.7	91.6	87.4
22.5°	220.2	219.5	209.0	189.4	167.1	146.1	126.5	110.4	97.2	86.0	81.1
25°	229.3	227.9	216.0	191.5	165.7	141.9	121.6	104.1	91.6	80.4	75.5
27.5°	234.8	234.2	220.9	190.8	162.2	136.3	115.3	98.6	85.3	74.1	69.9
30°	236.2	236.9	220.9	187.3	156.6	130.7	109.0	92.3	79.0	69.2	64.3
31°	236.2	236.9	219.5	185.2	154.5	127.9	106.2	90.2	76.2	66.4	62.2
32.5°	233.5	232.1	217.4	181.7	149.6	123.0	102.7	86.7	72.7	62.9	59.4
35°	220.9	221.6	210.4	174.0	142.6	116.0	95.8	79.7	66.4	58.0	54.5
37.5°	213.9	213.9	193.6	163.6	134.9	109.7	87.4	72.0	60.8	53.1	49.6
40°	199.2	197.1	178.2	152.4	125.8	102.0	82.5	67.1	55.9	48.2	45.4
42.5°	178.2	176.1	161.5	142.6	113.9	92.3	78.3	59.4	50.3	44.0	41.2
45°	155.9	154.5	143.3	125.8	102.7	83.2	67.8	54.5	46.1	39.8	37.7
47.5°	135.6	133.5	125.1	111.8	93.0	74.8	58.7	48.9	41.2	36.3	34.9
50°	116.0	115.3	108.3	97.9	82.5	65.0	51.7	43.3	37.7	33.5	31.5
52.5°	97.9	96.5	93.0	84.6	72.0	56.6	45.4	38.4	33.5	30.8	29.4
55°	80.4	80.4	76.9	71.3	61.5	48.2	39.8	34.2	30.1	28.0	26.6
57.5°	66.4	66.4	63.6	60.1	51.0	41.2	34.9	30.1	27.3	25.2	23.8
60°	54.5	54.5	52.4	48.9	42.6	34.9	30.1	26.6	24.5	22.4	21.7
62.5°	45.4	44.7	43.3	39.8	34.9	29.4	25.9	23.1	21.0	19.6	18.9
65°	36.3	35.6	34.2	31.5	28.0	24.5	21.7	19.6	18.2	16.8	16.1
67.5°	28.0	28.0	26.6	24.5	21.7	19.6	17.5	16.1	14.7	14.0	13.3
70°	20.3	20.3	19.6	18.2	16.1	14.7	13.3	12.6	11.9	11.2	10.5
72.5°	14.0	14.0	13.3	12.6	11.2	10.5	9.1	9.1	8.4	8.4	7.7
75°	7.7	7.7	7.7	7.0	7.0	6.3	6.3	6.3	5.6	5.6	5.6
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	2.1	2.1	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9
2.5°	119.5	117.4	116.0	115.3	113.2	112.5	111.8	111.1	111.1	111.1
5°	116.7	113.2	109.7	107.6	104.8	103.4	102.0	101.3	100.6	100.6
7.5°	111.8	107.6	103.4	100.0	97.2	94.4	93.0	91.6	91.6	90.9
10°	106.9	101.3	96.5	91.6	88.8	85.3	83.9	82.5	81.8	81.8
12.5°	101.3	94.4	88.8	84.6	80.4	77.6	75.5	74.1	73.4	73.4
15°	95.1	88.1	81.8	77.6	73.4	69.9	67.8	66.4	65.7	65.7
17.5°	88.8	81.8	74.8	70.6	66.4	62.9	61.5	60.1	59.4	58.7
20°	83.2	74.8	69.2	63.6	60.1	57.3	55.2	53.8	53.1	53.1
22.5°	76.9	69.2	62.9	58.7	55.2	52.4	49.6	48.9	48.2	48.2
25°	70.6	63.6	58.0	53.8	49.6	47.5	45.4	44.0	44.0	43.3
27.5°	65.7	58.7	53.1	48.9	46.1	43.3	41.9	40.5	39.8	39.8
30°	60.1	53.8	48.9	45.4	41.9	39.8	38.4	37.0	37.0	37.0
31°	58.7	52.4	47.5	43.3	40.5	38.4	37.0	36.3	35.6	35.6
32.5°	55.2	49.6	44.7	41.2	38.4	36.3	34.9	34.2	34.2	33.5
35°	51.0	45.4	41.2	37.7	35.6	33.5	32.2	31.5	31.5	31.5
37.5°	46.8	41.9	37.7	34.9	32.9	30.8	30.1	28.7	28.7	28.7
40°	42.6	38.4	34.9	32.2	30.1	28.7	28.0	27.3	26.6	26.6
42.5°	39.1	34.9	32.2	30.1	28.0	26.6	25.9	25.2	25.2	24.5
45°	35.6	32.2	30.1	28.0	25.9	25.2	24.5	23.8	23.1	23.1
47.5°	32.9	30.1	27.3	25.9	24.5	23.1	22.4	22.4	21.7	21.7
50°	30.1	27.3	25.2	23.8	22.4	21.7	21.0	21.0	20.3	20.3
52.5°	28.0	25.2	23.8	22.4	21.0	20.3	19.6	19.6	18.9	18.9
55°	25.2	23.1	21.7	21.0	19.6	18.9	18.2	17.5	17.5	18.2
57.5°	23.1	21.7	20.3	19.6	18.2	17.5	16.8	16.8	16.1	16.8
60°	21.0	19.6	18.2	17.5	16.8	16.1	15.4	14.7	14.7	14.7
62.5°	18.9	17.5	16.8	15.4	14.7	14.7	14.0	14.0	14.0	13.3
65°	16.1	15.4	14.7	14.0	13.3	12.6	12.6	11.9	11.9	11.9
67.5°	13.3	12.6	11.9	11.9	11.2	10.5	10.5	10.5	10.5	9.8
70°	10.5	9.8	9.8	9.1	9.1	9.1	8.4	8.4	8.4	8.4
72.5°	7.7	7.7	7.0	7.0	7.0	7.0	6.3	6.3	6.3	6.3
75°	5.6	5.6	5.6	4.9	4.9	4.9	4.2	4.2	4.2	4.2
77.5°	3.5	3.5	3.5	3.5	3.5	2.8	2.8	2.8	2.8	2.8
80°	2.1	2.1	2.1	2.1	1.4	1.4	1.4	1.4	1.4	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	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)