

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: P#

Luminaire Tested: P3ART09R709830DE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

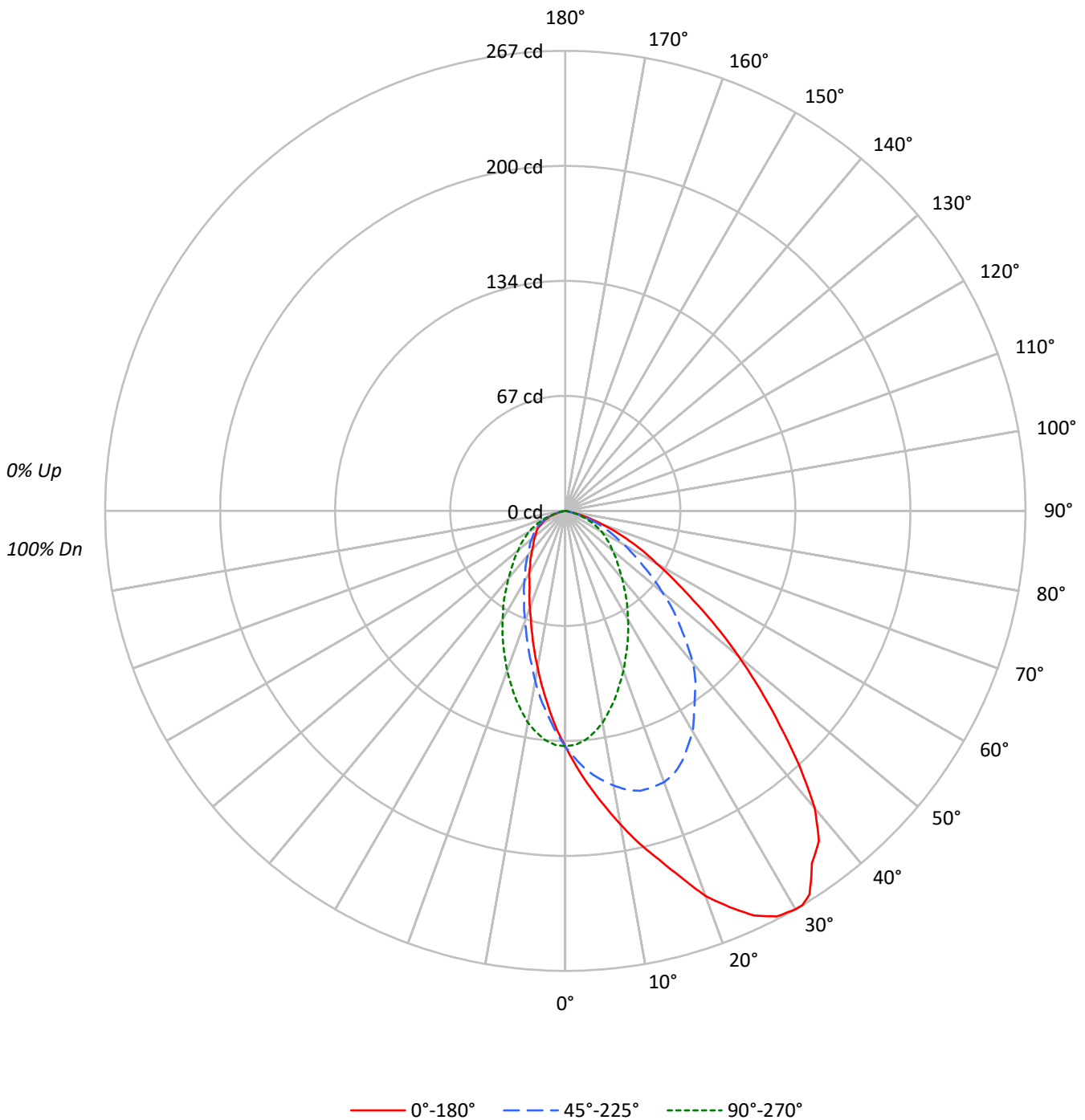
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709830DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 278.0 lumens  
Efficiency: N/A  
Efficacy: 25.3 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  
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	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°	29954	29954	29954	29954	29954
5°	35285	33392	29386	26084	25027
10°	41148	36049	27788	22333	20574
15°	47514	38184	25471	18820	16845
20°	55491	39087	23032	15845	14001
25°	62689	38784	20638	13573	11856
30°	67605	37398	18408	12002	10609
35°	66816	35094	16490	10788	9503
40°	64435	33005	14685	9733	8588
45°	54610	29150	13242	9055	8094
50°	44723	25074	12110	8631	7812
55°	34713	20836	11469	8449	7837
60°	27015	17323	10745	8333	7280
65°	21325	14321	9443	7783	6953
70°	14682	10643	7565	6604	6091
75°	7371	6015	5338	4660	3982
80°	1010	2020	3031	2020	1010
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 54610 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.8	4.6
10°-20°	35.6	12.8
20°-30°	52.5	18.9
30°-40°	58.8	21.2
40°-50°	51.7	18.6
50°-60°	37.0	13.3
60°-70°	21.9	7.9
70°-80°	7.3	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
<b>0°-30°</b>	<b>100.8</b>	<b>36.3</b>
<b>0°-40°</b>	<b>159.7</b>	<b>57.4</b>
<b>0°-60°</b>	<b>248.4</b>	<b>89.3</b>
<b>0°-90°</b>	<b>278.0</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>278.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	160	152	134	118	114	16
15°	209	168	112	83	74	60
25°	259	160	85	56	49	119
35°	250	131	62	40	36	157
45°	176	94	43	29	26	136
55°	91	54	30	22	20	83
65°	41	28	18	15	13	41
75°	9	7	6	6	5	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6
2.5°	148.5	148.5	148.5	146.9	146.9	144.5	143.0	140.6	139.0	136.6	135.9
5°	160.3	160.3	158.8	157.2	154.8	151.7	147.7	143.8	139.0	135.1	133.5
7.5°	172.2	173.0	170.6	167.5	162.7	157.2	151.7	145.3	138.2	132.7	129.5
10°	184.8	184.8	181.7	176.9	169.8	161.9	153.2	144.5	135.9	128.0	124.8
12.5°	197.5	196.7	192.7	185.6	176.9	165.9	154.0	143.0	132.7	123.2	118.5
15°	209.3	209.3	203.8	195.1	182.5	168.2	154.0	139.8	128.0	116.9	112.2
17.5°	222.7	222.7	215.6	202.2	186.4	168.2	151.7	135.9	122.4	110.6	105.1
20°	237.8	237.0	226.7	208.5	188.0	167.5	148.5	131.1	116.1	103.5	98.7
22.5°	248.8	248.0	236.2	214.1	188.8	165.1	143.0	124.8	109.8	97.2	91.6
25°	259.1	257.5	244.1	216.4	187.2	160.3	137.4	117.7	103.5	90.8	85.3
27.5°	265.4	264.6	249.6	215.6	183.3	154.0	130.3	111.4	96.4	83.7	79.0
30°	267.0	267.8	249.6	211.7	176.9	147.7	123.2	104.3	89.3	78.2	72.7
31°	267.0	267.8	248.0	209.3	174.6	144.5	120.1	101.9	86.1	75.0	70.3
32.5°	263.8	262.2	245.7	205.4	169.0	139.0	116.1	97.9	82.1	71.1	67.1
35°	249.6	250.4	237.8	196.7	161.1	131.1	108.2	90.0	75.0	65.6	61.6
37.5°	241.7	241.7	218.8	184.8	152.4	124.0	98.7	81.4	68.7	60.0	56.1
40°	225.1	222.7	201.4	172.2	142.2	115.3	93.2	75.8	63.2	54.5	51.3
42.5°	201.4	199.0	182.5	161.1	128.7	104.3	88.5	67.1	56.9	49.8	46.6
45°	176.1	174.6	161.9	142.2	116.1	94.0	76.6	61.6	52.1	45.0	42.7
47.5°	153.2	150.9	141.4	126.4	105.1	84.5	66.3	55.3	46.6	41.1	39.5
50°	131.1	130.3	122.4	110.6	93.2	73.5	58.5	49.0	42.7	37.9	35.5
52.5°	110.6	109.0	105.1	95.6	81.4	64.0	51.3	43.4	37.9	34.8	33.2
55°	90.8	90.8	86.9	80.6	69.5	54.5	45.0	38.7	34.0	31.6	30.0
57.5°	75.0	75.0	71.9	67.9	57.7	46.6	39.5	34.0	30.8	28.4	26.9
60°	61.6	61.6	59.2	55.3	48.2	39.5	34.0	30.0	27.6	25.3	24.5
62.5°	51.3	50.6	49.0	45.0	39.5	33.2	29.2	26.1	23.7	22.1	21.3
65°	41.1	40.3	38.7	35.5	31.6	27.6	24.5	22.1	20.5	19.0	18.2
67.5°	31.6	31.6	30.0	27.6	24.5	22.1	19.7	18.2	16.6	15.8	15.0
70°	22.9	22.9	22.1	20.5	18.2	16.6	15.0	14.2	13.4	12.6	11.8
72.5°	15.8	15.8	15.0	14.2	12.6	11.8	10.3	10.3	9.5	9.5	8.7
75°	8.7	8.7	8.7	7.9	7.9	7.1	7.1	7.1	6.3	6.3	6.3
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6
2.5°	135.1	132.7	131.1	130.3	128.0	127.2	126.4	125.6	125.6	125.6
5°	131.9	128.0	124.0	121.6	118.5	116.9	115.3	114.5	113.7	113.7
7.5°	126.4	121.6	116.9	113.0	109.8	106.6	105.1	103.5	103.5	102.7
10°	120.9	114.5	109.0	103.5	100.3	96.4	94.8	93.2	92.4	92.4
12.5°	114.5	106.6	100.3	95.6	90.8	87.7	85.3	83.7	82.9	82.9
15°	107.4	99.5	92.4	87.7	82.9	79.0	76.6	75.0	74.2	74.2
17.5°	100.3	92.4	84.5	79.8	75.0	71.1	69.5	67.9	67.1	66.3
20°	94.0	84.5	78.2	71.9	67.9	64.8	62.4	60.8	60.0	60.0
22.5°	86.9	78.2	71.1	66.3	62.4	59.2	56.1	55.3	54.5	54.5
25°	79.8	71.9	65.6	60.8	56.1	53.7	51.3	49.8	49.8	49.0
27.5°	74.2	66.3	60.0	55.3	52.1	49.0	47.4	45.8	45.0	45.0
30°	67.9	60.8	55.3	51.3	47.4	45.0	43.4	41.9	41.9	41.9
31°	66.3	59.2	53.7	49.0	45.8	43.4	41.9	41.1	40.3	40.3
32.5°	62.4	56.1	50.6	46.6	43.4	41.1	39.5	38.7	38.7	37.9
35°	57.7	51.3	46.6	42.7	40.3	37.9	36.3	35.5	35.5	35.5
37.5°	52.9	47.4	42.7	39.5	37.1	34.8	34.0	32.4	32.4	32.4
40°	48.2	43.4	39.5	36.3	34.0	32.4	31.6	30.8	30.0	30.0
42.5°	44.2	39.5	36.3	34.0	31.6	30.0	29.2	28.4	28.4	27.6
45°	40.3	36.3	34.0	31.6	29.2	28.4	27.6	26.9	26.1	26.1
47.5°	37.1	34.0	30.8	29.2	27.6	26.1	25.3	25.3	24.5	24.5
50°	34.0	30.8	28.4	26.9	25.3	24.5	23.7	23.7	22.9	22.9
52.5°	31.6	28.4	26.9	25.3	23.7	22.9	22.1	22.1	21.3	21.3
55°	28.4	26.1	24.5	23.7	22.1	21.3	20.5	19.7	19.7	20.5
57.5°	26.1	24.5	22.9	22.1	20.5	19.7	19.0	19.0	18.2	19.0
60°	23.7	22.1	20.5	19.7	19.0	18.2	17.4	16.6	16.6	16.6
62.5°	21.3	19.7	19.0	17.4	16.6	16.6	15.8	15.8	15.8	15.0
65°	18.2	17.4	16.6	15.8	15.0	14.2	14.2	13.4	13.4	13.4
67.5°	15.0	14.2	13.4	13.4	12.6	11.8	11.8	11.8	11.8	11.1
70°	11.8	11.1	11.1	10.3	10.3	10.3	9.5	9.5	9.5	9.5
72.5°	8.7	8.7	7.9	7.9	7.9	7.9	7.1	7.1	7.1	7.1
75°	6.3	6.3	6.3	5.5	5.5	5.5	4.7	4.7	4.7	4.7
77.5°	3.9	3.9	3.9	3.9	3.9	3.2	3.2	3.2	3.2	3.2
80°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)