

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: P3ART05R709835DE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

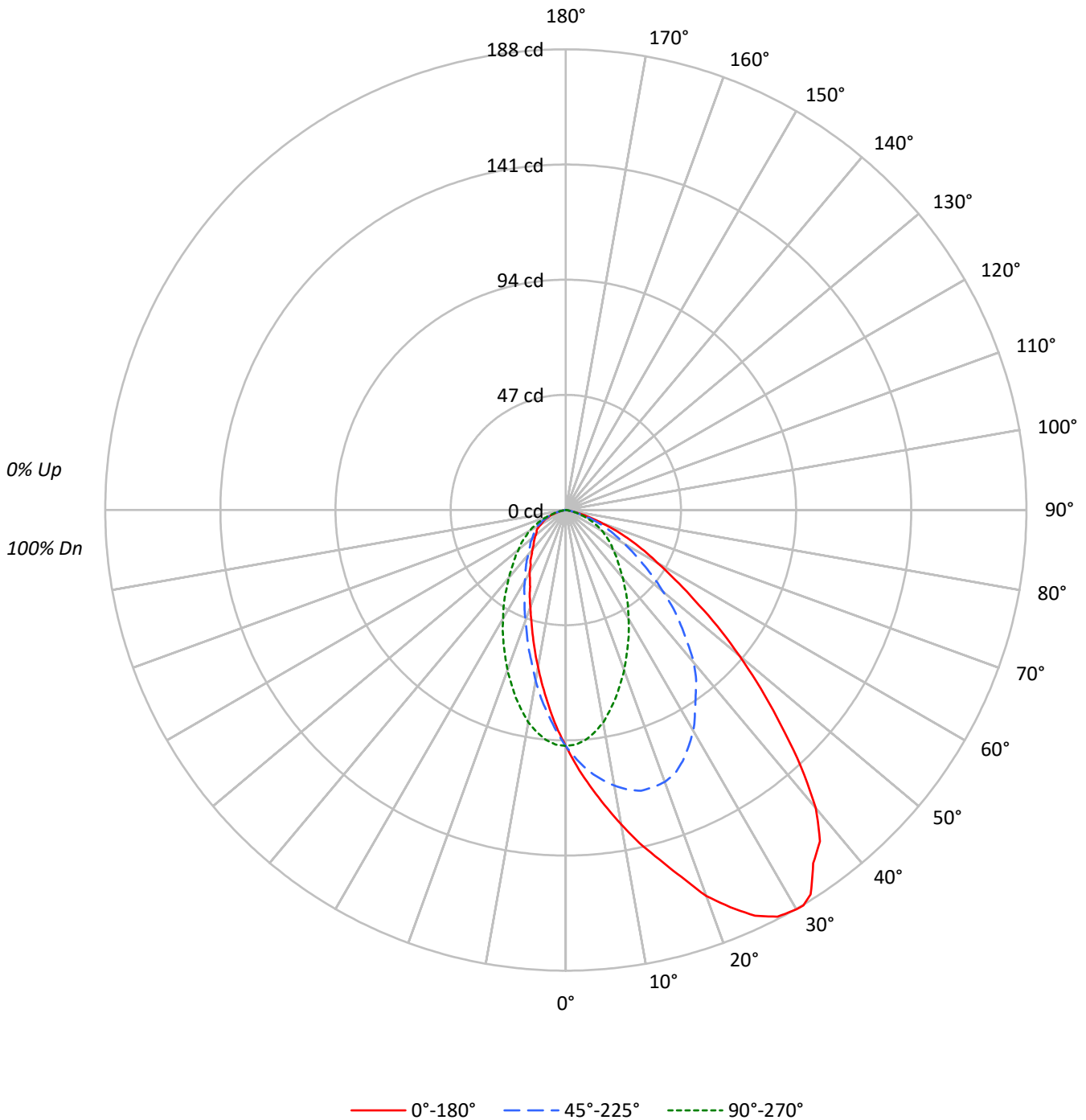
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709835DE010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 196.0 lumens  
Efficiency: N/A  
Efficacy: 27.2 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
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°	21117	21117	21117	21117	21117
5°	24873	23531	20713	18380	17653
10°	29013	25428	19594	15742	14518
15°	33508	26924	17957	13280	11873
20°	39110	27559	16241	11178	9871
25°	44204	27340	14541	9557	8347
30°	47653	26358	12964	8457	7470
35°	47114	24735	11618	7602	6719
40°	45428	23272	10362	6841	6069
45°	38516	20560	9334	6388	5706
50°	31521	17671	8563	6072	5492
55°	24467	14680	8105	5964	5543
60°	19034	12192	7587	5877	5131
65°	15047	10118	6641	5500	4929
70°	10322	7501	5386	4616	4296
75°	5168	4236	3813	3304	2796
80°	758	1389	2147	1389	758
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38516 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	4.6
10°-20°	25.1	12.8
20°-30°	37.0	18.9
30°-40°	41.5	21.2
40°-50°	36.5	18.6
50°-60°	26.1	13.3
60°-70°	15.5	7.9
70°-80°	5.2	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
0°-30°	71.1	36.3
0°-40°	112.6	57.4
0°-60°	175.1	89.3
0°-90°	196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	196.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	96	96	96	96	96	
5°	113	107	94	84	80	11
15°	148	119	79	58	52	43
25°	183	113	60	40	34	84
35°	176	92	43	28	25	111
45°	124	66	30	21	18	96
55°	64	38	21	16	14	59
65°	29	20	13	11	10	29
75°	6	5	4	4	3	7
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°	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2.5°	104.7	104.7	104.7	103.6	103.6	101.9	100.8	99.1	98.0	96.3	95.8
5°	113.0	113.0	111.9	110.8	109.2	106.9	104.1	101.4	98.0	95.2	94.1
7.5°	121.4	122.0	120.3	118.1	114.7	110.8	106.9	102.5	97.5	93.6	91.3
10°	130.3	130.3	128.1	124.7	119.7	114.2	108.0	101.9	95.8	90.2	88.0
12.5°	139.2	138.7	135.9	130.9	124.7	116.9	108.6	100.8	93.6	86.9	83.5
15°	147.6	147.6	143.7	137.6	128.6	118.6	108.6	98.6	90.2	82.4	79.1
17.5°	157.0	157.0	152.0	142.6	131.4	118.6	106.9	95.8	86.3	78.0	74.1
20°	167.6	167.1	159.8	147.0	132.5	118.1	104.7	92.4	81.9	73.0	69.6
22.5°	175.4	174.9	166.5	150.9	133.1	116.4	100.8	88.0	77.4	68.5	64.6
25°	182.7	181.5	172.1	152.6	132.0	113.0	96.9	83.0	73.0	64.0	60.1
27.5°	187.1	186.6	176.0	152.0	129.2	108.6	91.9	78.5	67.9	59.0	55.7
30°	188.2	188.8	176.0	149.2	124.7	104.1	86.9	73.5	62.9	55.1	51.2
31°	188.2	188.8	174.9	147.6	123.1	101.9	84.6	71.8	60.7	52.9	49.6
32.5°	186.0	184.9	173.2	144.8	119.2	98.0	81.9	69.1	57.9	50.1	47.3
35°	176.0	176.5	167.6	138.7	113.6	92.4	76.3	63.5	52.9	46.2	43.4
37.5°	170.4	170.4	154.3	130.3	107.5	87.4	69.6	57.4	48.4	42.3	39.5
40°	158.7	157.0	142.0	121.4	100.2	81.3	65.7	53.5	44.6	38.4	36.2
42.5°	142.0	140.3	128.6	113.6	90.8	73.5	62.4	47.3	40.1	35.1	32.9
45°	124.2	123.1	114.2	100.2	81.9	66.3	54.0	43.4	36.8	31.7	30.1
47.5°	108.0	106.4	99.7	89.1	74.1	59.6	46.8	39.0	32.9	29.0	27.8
50°	92.4	91.9	86.3	78.0	65.7	51.8	41.2	34.5	30.1	26.7	25.1
52.5°	78.0	76.9	74.1	67.4	57.4	45.1	36.2	30.6	26.7	24.5	23.4
55°	64.0	64.0	61.3	56.8	49.0	38.4	31.7	27.3	23.9	22.3	21.2
57.5°	52.9	52.9	50.7	47.9	40.7	32.9	27.8	23.9	21.7	20.0	18.9
60°	43.4	43.4	41.8	39.0	34.0	27.8	23.9	21.2	19.5	17.8	17.3
62.5°	36.2	35.6	34.5	31.7	27.8	23.4	20.6	18.4	16.7	15.6	15.0
65°	29.0	28.4	27.3	25.1	22.3	19.5	17.3	15.6	14.5	13.4	12.8
67.5°	22.3	22.3	21.2	19.5	17.3	15.6	13.9	12.8	11.7	11.1	10.6
70°	16.1	16.1	15.6	14.5	12.8	11.7	10.6	10.0	9.5	8.9	8.4
72.5°	11.1	11.1	10.6	10.0	8.9	8.4	7.2	7.2	6.7	6.7	6.1
75°	6.1	6.1	6.1	5.6	5.6	5.0	5.0	5.0	4.5	4.5	4.5
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2.5°	95.2	93.6	92.4	91.9	90.2	89.7	89.1	88.5	88.5	88.5
5°	93.0	90.2	87.4	85.8	83.5	82.4	81.3	80.7	80.2	80.2
7.5°	89.1	85.8	82.4	79.6	77.4	75.2	74.1	73.0	73.0	72.4
10°	85.2	80.7	76.9	73.0	70.7	67.9	66.8	65.7	65.2	65.2
12.5°	80.7	75.2	70.7	67.4	64.0	61.8	60.1	59.0	58.5	58.5
15°	75.7	70.2	65.2	61.8	58.5	55.7	54.0	52.9	52.3	52.3
17.5°	70.7	65.2	59.6	56.2	52.9	50.1	49.0	47.9	47.3	46.8
20°	66.3	59.6	55.1	50.7	47.9	45.7	44.0	42.9	42.3	42.3
22.5°	61.3	55.1	50.1	46.8	44.0	41.8	39.5	39.0	38.4	38.4
25°	56.2	50.7	46.2	42.9	39.5	37.9	36.2	35.1	35.1	34.5
27.5°	52.3	46.8	42.3	39.0	36.8	34.5	33.4	32.3	31.7	31.7
30°	47.9	42.9	39.0	36.2	33.4	31.7	30.6	29.5	29.5	29.5
31°	46.8	41.8	37.9	34.5	32.3	30.6	29.5	29.0	28.4	28.4
32.5°	44.0	39.5	35.6	32.9	30.6	29.0	27.8	27.3	27.3	26.7
35°	40.7	36.2	32.9	30.1	28.4	26.7	25.6	25.1	25.1	25.1
37.5°	37.3	33.4	30.1	27.8	26.2	24.5	23.9	22.8	22.8	22.8
40°	34.0	30.6	27.8	25.6	23.9	22.8	22.3	21.7	21.2	21.2
42.5°	31.2	27.8	25.6	23.9	22.3	21.2	20.6	20.0	20.0	19.5
45°	28.4	25.6	23.9	22.3	20.6	20.0	19.5	18.9	18.4	18.4
47.5°	26.2	23.9	21.7	20.6	19.5	18.4	17.8	17.8	17.3	17.3
50°	23.9	21.7	20.0	18.9	17.8	17.3	16.7	16.7	16.1	16.1
52.5°	22.3	20.0	18.9	17.8	16.7	16.1	15.6	15.6	15.0	15.0
55°	20.0	18.4	17.3	16.7	15.6	15.0	14.5	13.9	13.9	14.5
57.5°	18.4	17.3	16.1	15.6	14.5	13.9	13.4	13.4	12.8	13.4
60°	16.7	15.6	14.5	13.9	13.4	12.8	12.3	11.7	11.7	11.7
62.5°	15.0	13.9	13.4	12.3	11.7	11.7	11.1	11.1	11.1	10.6
65°	12.8	12.3	11.7	11.1	10.6	10.0	10.0	9.5	9.5	9.5
67.5°	10.6	10.0	9.5	9.5	8.9	8.4	8.4	8.4	8.4	7.8
70°	8.4	7.8	7.8	7.2	7.2	7.2	6.7	6.7	6.7	6.7
72.5°	6.1	6.1	5.6	5.6	5.6	5.6	5.0	5.0	5.0	5.0
75°	4.5	4.5	4.5	3.9	3.9	3.9	3.3	3.3	3.3	3.3
77.5°	2.8	2.8	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.2
80°	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)