

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: P3ART02R709835DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

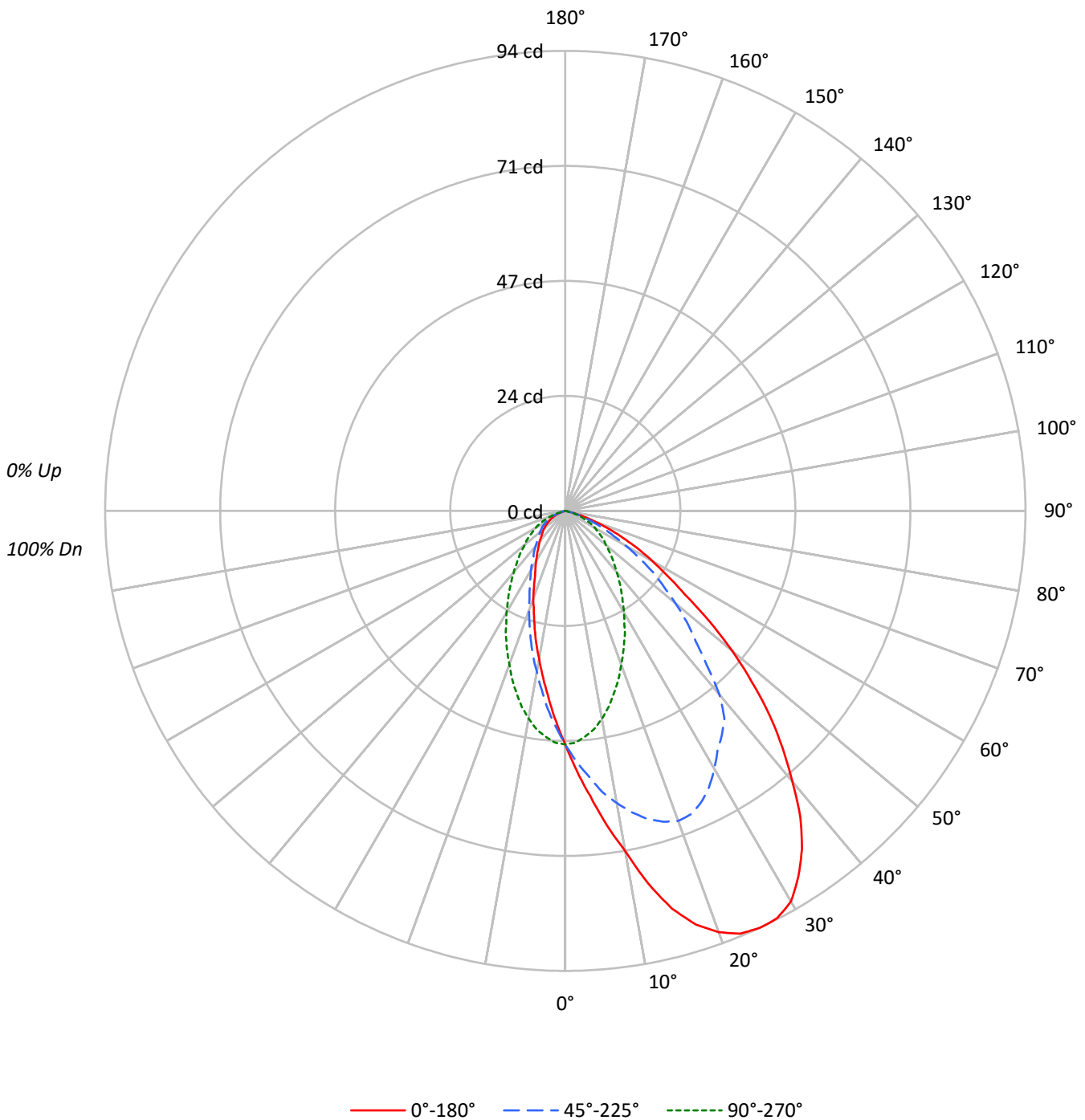
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709835DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 95.0 lumens  
Efficiency: N/A  
Efficacy: 26.4 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

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

	0°	45°	90°	135°	180°
0°	10460	10460	10460	10460	10460
5°	12877	11974	10191	8959	8475
10°	15720	13493	9597	7437	6836
15°	19092	14801	8740	6175	5516
20°	21375	15728	7794	5040	4457
25°	22743	15896	6920	4162	3532
30°	23345	15420	6077	3545	3013
35°	22566	14937	5327	3025	2597
40°	20667	14026	4695	2691	2319
45°	18296	11691	4186	2512	2078
50°	15181	10030	3684	2286	1944
55°	11431	8334	3403	2179	1759
60°	8991	6271	3070	2017	1535
65°	6693	4618	2646	1660	1245
70°	4296	2949	1923	1218	705
75°	1864	1610	932	424	254
80°	379	379	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18296 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	4.8
10°-20°	13.0	13.7
20°-30°	19.0	20.0
30°-40°	20.7	21.8
40°-50°	17.9	18.9
50°-60°	12.0	12.7
60°-70°	6.2	6.5
70°-80°	1.5	1.5
80°-90°	0.0	0.0
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>36.6</b>	<b>38.5</b>
<b>0°-40°</b>	<b>57.3</b>	<b>60.3</b>
<b>0°-60°</b>	<b>87.3</b>	<b>91.9</b>
<b>0°-90°</b>	<b>95.0</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>95.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	58	54	46	41	38	6
15°	84	65	38	27	24	24
25°	94	66	29	17	15	43
35°	84	56	20	11	10	52
45°	59	38	14	8	7	45
55°	30	22	9	6	5	28
65°	13	9	5	3	2	13
75°	2	2	1	0	0	3
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°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2.5°	53.1	52.8	52.8	52.3	51.7	51.2	50.4	49.6	48.8	48.0	47.4
5°	58.5	58.7	58.5	57.4	56.0	54.4	52.8	50.9	49.0	47.4	46.3
7.5°	64.7	64.7	63.9	62.5	60.6	57.9	55.2	52.0	49.0	46.3	45.0
10°	70.6	70.6	69.2	67.1	64.1	60.6	56.9	52.5	48.5	44.7	43.1
12.5°	77.9	77.6	76.0	72.5	68.2	63.1	57.9	52.5	47.7	43.1	41.0
15°	84.1	83.8	81.6	77.3	71.7	65.2	58.2	52.0	46.1	41.0	38.5
17.5°	88.6	88.1	85.7	81.1	74.6	66.6	58.5	50.9	44.2	38.5	36.1
20°	91.6	91.3	88.6	83.3	76.3	67.4	58.2	49.6	42.3	36.1	33.4
22.5°	93.5	93.0	90.3	84.3	76.3	67.1	57.1	47.7	39.9	33.7	31.0
25°	94.0	93.8	90.5	84.1	75.4	65.7	55.5	45.8	37.5	31.3	28.6
26°	94.0	93.8	90.5	83.8	74.9	64.9	54.7	45.0	36.6	30.2	27.8
27.5°	93.8	93.5	90.0	83.0	73.8	63.6	53.1	43.4	35.0	28.8	26.1
30°	92.2	91.6	88.1	81.1	71.4	60.9	50.4	41.0	32.6	26.4	24.0
32.5°	88.6	88.1	84.3	77.9	68.7	57.9	47.4	38.3	30.2	24.0	21.8
35°	84.3	83.8	80.0	73.8	64.9	55.8	44.2	35.3	27.5	22.1	19.9
37.5°	78.9	78.1	74.9	68.4	60.4	53.4	41.5	32.3	25.1	19.9	18.1
40°	72.2	71.9	69.0	63.1	55.0	49.0	39.9	32.3	22.9	18.1	16.4
42.5°	65.7	65.2	62.5	57.4	50.1	42.8	35.0	31.0	21.3	16.2	14.8
45°	59.0	58.5	56.0	51.7	45.0	37.7	37.7	26.7	18.3	14.8	13.5
47.5°	51.7	51.2	49.3	46.1	40.1	33.7	27.5	21.8	16.7	13.2	12.1
50°	44.5	44.7	43.1	39.9	35.3	29.4	23.7	18.3	14.3	11.9	10.8
52.5°	37.2	36.9	35.8	33.7	30.4	25.3	20.2	15.6	12.4	10.5	10.0
55°	29.9	30.2	29.6	28.3	25.6	21.8	17.0	13.5	11.0	9.4	8.9
57.5°	24.8	25.1	24.0	23.2	21.0	17.8	14.0	11.3	9.4	8.4	7.8
60°	20.5	20.7	19.9	18.9	17.2	14.3	11.3	9.4	8.4	7.5	7.0
62.5°	16.7	16.4	15.9	14.8	13.5	11.3	9.2	7.8	7.0	6.5	6.2
65°	12.9	12.9	12.4	11.6	10.5	8.9	7.3	6.5	5.9	5.4	5.1
67.5°	9.7	9.7	9.2	8.6	7.5	6.5	5.7	5.1	4.9	4.3	4.0
70°	6.7	6.7	6.5	6.2	5.4	4.6	4.3	3.8	3.5	3.2	3.0
72.5°	4.3	4.3	4.3	3.8	3.5	3.0	3.0	2.7	2.4	2.2	2.2
75°	2.2	2.4	2.2	2.2	1.9	1.9	1.6	1.6	1.3	1.3	1.1
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2.5°	46.9	46.1	45.5	44.7	44.2	43.7	43.4	43.1	43.1	43.1
5°	45.5	44.2	42.8	41.5	40.7	39.9	39.1	38.8	38.5	38.5
7.5°	43.9	41.8	39.9	38.3	36.9	36.1	35.3	34.8	34.5	34.5
10°	41.8	39.1	36.9	34.8	33.4	32.3	31.8	31.0	31.0	30.7
12.5°	39.3	36.1	33.7	31.8	30.4	29.1	28.3	27.8	27.5	27.5
15°	36.6	33.4	30.7	28.6	27.2	25.9	25.1	24.5	24.3	24.3
17.5°	34.0	30.4	27.8	25.6	24.3	22.9	22.1	21.6	21.6	21.3
20°	31.3	27.8	25.1	22.9	21.6	20.5	19.7	19.1	18.9	19.1
22.5°	28.8	25.3	22.6	20.7	19.1	18.1	17.2	17.0	16.7	16.7
25°	26.1	22.9	20.5	18.6	17.2	16.2	15.4	15.1	14.8	14.6
26°	25.3	22.1	19.7	17.8	16.4	15.4	14.8	14.3	14.0	14.0
27.5°	24.3	20.7	18.6	16.7	15.4	14.6	13.7	13.5	13.2	13.2
30°	21.8	18.9	16.7	15.1	14.0	12.9	12.4	12.1	11.9	11.9
32.5°	19.9	17.0	15.1	13.7	12.7	11.9	11.3	10.8	10.8	10.8
35°	18.1	15.4	13.7	12.4	11.3	10.5	10.2	10.0	9.7	9.7
37.5°	16.4	14.0	12.4	11.3	10.5	9.7	9.2	8.9	8.9	8.9
40°	14.8	12.9	11.3	10.2	9.4	8.9	8.4	8.1	8.1	8.1
42.5°	13.5	11.6	10.5	9.4	8.6	8.1	7.8	7.5	7.3	7.3
45°	12.4	10.8	9.4	8.6	8.1	7.5	7.0	6.7	6.7	6.7
47.5°	11.0	10.0	8.6	7.8	7.3	6.7	6.5	6.2	6.2	6.2
50°	10.2	9.2	8.1	7.3	6.7	6.2	5.9	5.7	5.7	5.7
52.5°	9.2	8.4	7.5	6.7	6.2	5.7	5.4	5.1	5.1	5.1
55°	8.4	7.5	6.7	6.2	5.7	5.1	4.9	4.6	4.6	4.6
57.5°	7.5	6.7	6.2	5.7	5.1	4.9	4.3	4.3	4.0	4.0
60°	6.7	5.9	5.4	5.1	4.6	4.3	3.8	3.5	3.5	3.5
62.5°	5.7	5.4	4.9	4.3	3.8	3.5	3.2	3.0	3.0	3.0
65°	4.9	4.6	4.0	3.5	3.2	3.0	2.7	2.4	2.4	2.4
67.5°	4.0	3.5	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.9
70°	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.3	1.1	1.1
72.5°	1.9	1.6	1.6	1.3	1.1	1.1	0.8	0.8	0.5	0.5
75°	1.1	1.1	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.3
77.5°	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)