

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 E3LDWW1MW

Issue Date: 5/8/2026

**Test Information**

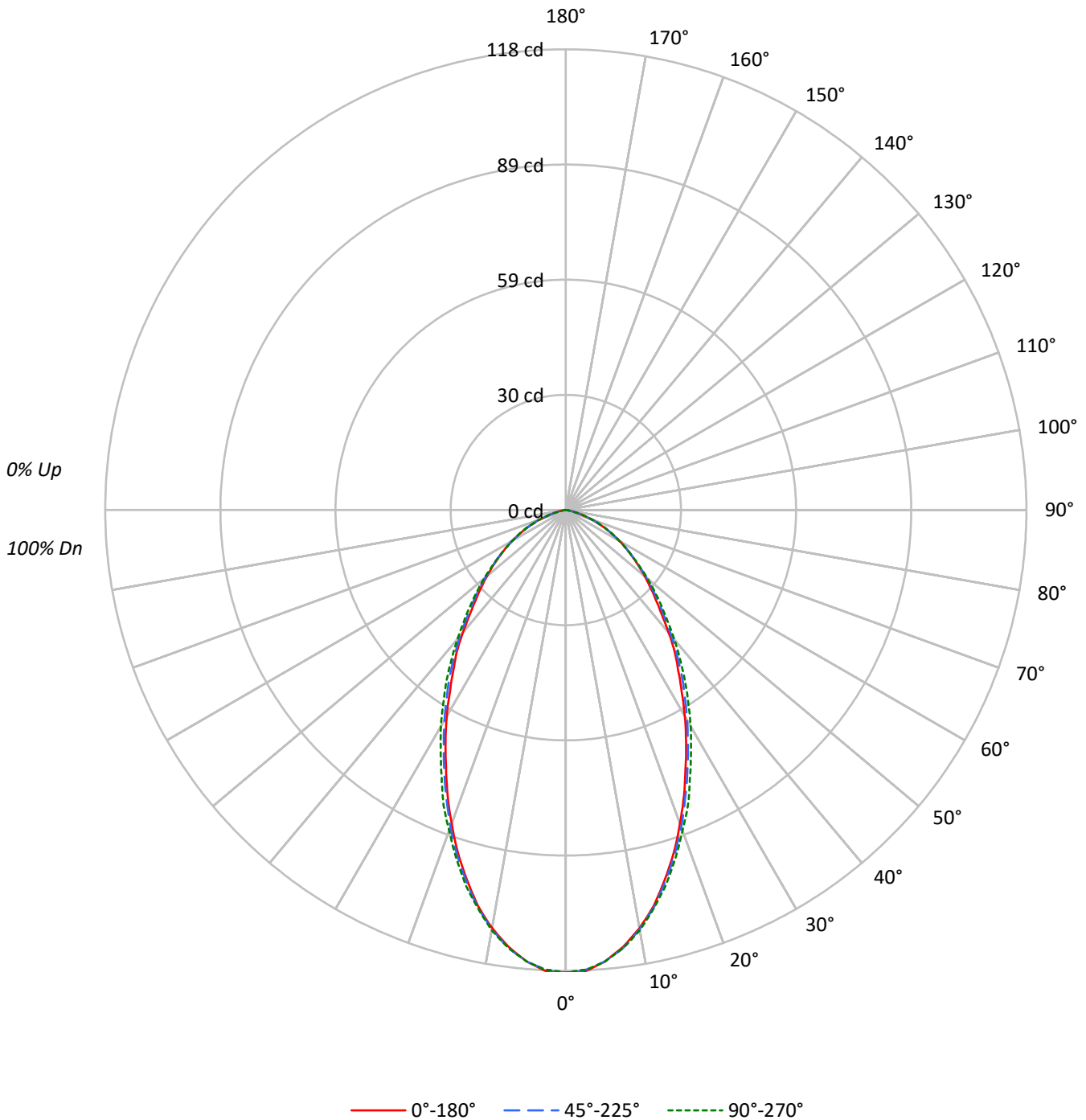
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709835DE010 E3LDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 165.0 lumens  
Efficiency: N/A  
Efficacy: 45.8 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

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

	0°	45°	90°
0°	25985	25985	25985
5°	25534	25534	25534
10°	24204	24270	24337
15°	22248	22361	22543
20°	19952	20162	20395
25°	17566	17832	18219
30°	15445	15724	16205
35°	13438	13866	14241
40°	11736	12051	12366
45°	10141	10451	10699
50°	9006	9211	9313
55°	7952	8028	8028
60°	6973	6885	6973
65°	5759	5863	6019
70°	4488	4488	4680
75°	2965	2711	2711
80°	1642	1389	1010
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 10699 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	6.6
10°-20°	27.5	16.7
20°-30°	33.9	20.6
30°-40°	32.3	19.6
40°-50°	26.2	15.9
50°-60°	18.8	11.4
60°-70°	11.3	6.8
70°-80°	3.8	2.3
80°-90°	0.3	0.2
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>72.3</b>	<b>43.8</b>
<b>0°-40°</b>	<b>104.6</b>	<b>63.4</b>
<b>0°-60°</b>	<b>149.6</b>	<b>90.7</b>
<b>0°-90°</b>	<b>165.0</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>165.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	118	118	118	118	118	
5°	116	116	116	116	116	11
15°	98	98	98	99	99	27
25°	73	73	74	75	75	33
35°	50	51	52	53	53	32
45°	33	33	34	34	34	25
55°	21	21	21	21	21	19
65°	11	11	11	12	12	11
75°	4	4	3	3	3	4
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°	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5
2°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	117.9
2.5°	118.2	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	118.2	117.9
5°	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.3	116.0	116.0
7.5°	112.8	112.8	112.8	112.8	113.1	113.1	113.1	113.1	113.3	113.3	113.1
10°	108.7	108.7	108.7	108.7	109.0	109.0	109.3	109.0	109.0	109.3	109.3
12.5°	103.9	103.6	103.6	103.6	103.9	104.2	104.2	104.2	104.4	104.4	104.4
15°	98.0	98.0	98.0	98.2	98.2	98.5	98.8	98.8	99.0	99.0	99.3
17.5°	92.0	92.0	91.7	92.0	92.3	92.6	92.8	93.1	93.4	93.4	93.4
20°	85.5	85.3	85.5	85.8	86.1	86.4	86.6	87.2	87.4	87.4	87.4
22.5°	79.1	78.8	79.1	79.3	79.6	79.9	80.7	81.0	81.2	81.2	81.8
25°	72.6	72.6	72.9	73.1	73.4	73.7	74.2	74.7	75.0	75.3	75.3
27.5°	66.7	66.7	66.7	66.7	67.2	67.7	68.3	68.8	69.1	69.4	69.4
30°	61.0	60.7	60.7	61.0	61.5	62.1	62.6	63.1	63.4	63.7	64.0
32.5°	55.3	55.3	55.3	55.6	55.9	56.7	57.2	57.5	58.0	58.3	58.3
35°	50.2	50.2	50.2	50.7	51.3	51.8	52.1	52.6	53.2	53.2	53.2
37.5°	45.9	46.1	46.7	46.4	46.4	46.7	47.0	47.5	48.0	48.0	48.0
40°	41.0	41.3	41.6	41.3	41.6	42.1	42.4	42.6	42.9	43.2	43.2
42.5°	36.4	36.4	36.4	36.7	37.2	37.5	38.0	38.3	38.6	38.6	38.6
45°	32.7	32.7	32.9	33.2	33.5	33.7	34.0	34.3	34.5	34.5	34.5
47.5°	29.4	29.4	29.7	29.7	30.0	30.2	30.5	30.5	30.8	31.0	30.8
50°	26.4	26.4	26.4	26.7	26.7	27.0	27.0	27.3	27.3	27.3	27.3
52.5°	23.5	23.5	23.5	23.5	23.7	23.7	23.7	24.0	24.0	24.0	24.0
55°	20.8	20.8	20.8	20.8	20.8	21.0	21.0	21.0	21.0	21.0	21.0
57.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
60°	15.9	15.9	15.9	15.9	15.9	15.7	15.9	15.9	15.9	15.9	15.9
62.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.8	13.8	13.8	13.8
65°	11.1	11.3	11.3	11.3	11.3	11.3	11.3	11.6	11.6	11.6	11.6
67.5°	8.9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.4	9.4	9.4
70°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.3
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.1
75°	3.5	3.5	3.5	3.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	2.4	2.4	2.4	2.2	2.2	1.9	1.9	1.9	1.9	1.9	1.6
80°	1.3	1.3	1.3	1.3	1.3	1.1	1.1	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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

(END OF REPORT)