

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: P1445586

Luminaire Tested: P3ART02R709024DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

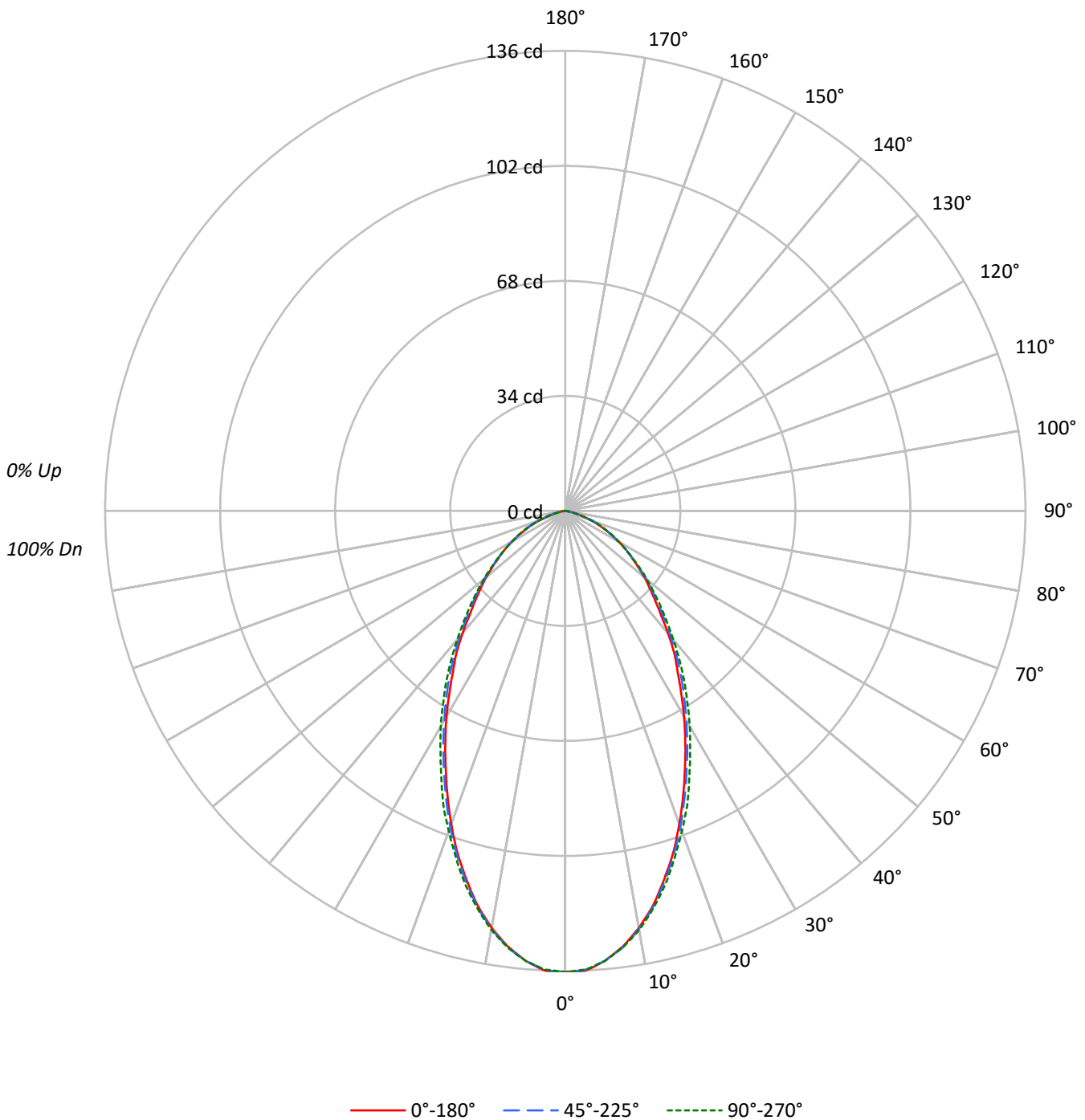
Test Method: LM-79-2019  
Report Number: P1445586  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709024DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 190.0 lumens  
Efficiency: N/A  
Efficacy: 52.8 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

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

	0°	45°	90°
0°	29910	29910	29910
5°	29408	29408	29408
10°	27877	27944	28011
15°	25607	25744	25948
20°	22985	23195	23499
25°	20227	20517	20977
30°	17775	18104	18636
35°	15473	15981	16383
40°	13511	13883	14227
45°	11660	12032	12342
50°	10405	10609	10712
55°	9137	9252	9252
60°	8026	7894	8026
65°	6590	6797	6953
70°	5193	5193	5386
75°	3389	3135	3135
80°	2020	1515	1137
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 12342 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	6.6
10°-20°	31.7	16.7
20°-30°	39.1	20.6
30°-40°	37.2	19.6
40°-50°	30.1	15.9
50°-60°	21.7	11.4
60°-70°	13.0	6.8
70°-80°	4.4	2.3
80°-90°	0.4	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>83.2</b>	<b>43.8</b>
<b>0°-40°</b>	<b>120.5</b>	<b>63.4</b>
<b>0°-60°</b>	<b>172.3</b>	<b>90.7</b>
<b>0°-90°</b>	<b>190.0</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>190.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	136	136	136	136	136	
5°	134	134	134	134	134	12
15°	113	113	113	114	114	32
25°	84	84	85	86	87	38
35°	58	58	60	61	61	36
45°	38	38	39	40	40	29
55°	24	24	24	24	24	22
65°	13	13	13	13	13	13
75°	4	4	4	4	4	5
85°	0	0	0	0	0	1
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°	136.4	136.4	136.4	136.4	136.4	136.4	136.4	136.4	136.4	136.4	136.4
2°	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	135.8
2.5°	136.1	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	136.1	135.8
5°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.9	133.6	133.6
7.5°	129.9	129.9	129.9	129.9	130.2	130.2	130.2	130.2	130.5	130.5	130.2
10°	125.2	125.2	125.2	125.2	125.5	125.5	125.8	125.5	125.5	125.8	125.8
12.5°	119.6	119.3	119.3	119.3	119.6	119.9	119.9	119.9	120.3	120.3	120.3
15°	112.8	112.8	112.8	113.1	113.1	113.4	113.7	113.7	114.0	114.0	114.3
17.5°	106.0	106.0	105.6	106.0	106.3	106.6	106.9	107.2	107.5	107.5	107.5
20°	98.5	98.2	98.5	98.8	99.1	99.4	99.7	100.4	100.7	100.7	100.7
22.5°	91.0	90.7	91.0	91.4	91.7	92.0	92.9	93.2	93.5	93.5	94.2
25°	83.6	83.6	83.9	84.2	84.5	84.8	85.5	86.1	86.4	86.7	86.7
27.5°	76.8	76.8	76.8	76.8	77.4	78.0	78.6	79.2	79.5	79.9	79.9
30°	70.2	69.9	69.9	70.2	70.8	71.5	72.1	72.7	73.0	73.3	73.6
32.5°	63.7	63.7	63.7	64.0	64.3	65.3	65.9	66.2	66.8	67.1	67.1
35°	57.8	57.8	57.8	58.4	59.0	59.7	60.0	60.6	61.2	61.2	61.2
37.5°	52.8	53.1	53.8	53.4	53.4	53.8	54.1	54.7	55.3	55.3	55.3
40°	47.2	47.5	47.9	47.5	47.9	48.5	48.8	49.1	49.4	49.7	49.7
42.5°	41.9	41.9	41.9	42.3	42.9	43.2	43.8	44.1	44.4	44.4	44.4
45°	37.6	37.6	37.9	38.2	38.5	38.8	39.2	39.5	39.8	39.8	39.8
47.5°	33.9	33.9	34.2	34.2	34.5	34.8	35.1	35.1	35.4	35.7	35.4
50°	30.5	30.5	30.5	30.8	30.8	31.1	31.1	31.4	31.4	31.4	31.4
52.5°	27.0	27.0	27.0	27.0	27.3	27.3	27.3	27.7	27.7	27.7	27.7
55°	23.9	23.9	23.9	23.9	23.9	24.2	24.2	24.2	24.2	24.2	24.2
57.5°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
60°	18.3	18.3	18.3	18.3	18.3	18.0	18.3	18.3	18.3	18.3	18.3
62.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.8	15.8	15.8	15.8
65°	12.7	13.1	13.1	13.1	13.1	13.1	13.1	13.4	13.4	13.4	13.4
67.5°	10.3	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.9	10.9	10.9
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.4
72.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	5.9	5.9
75°	4.0	4.0	4.0	4.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
77.5°	2.8	2.8	2.8	2.5	2.5	2.2	2.2	2.2	2.2	2.2	1.9
80°	1.6	1.6	1.6	1.6	1.6	1.2	1.2	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	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)