

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: P1445649

Luminaire Tested: P3ART09R709024DE010 E3LDWW1GPH

Issue Date: 5/8/2026

**Test Information**

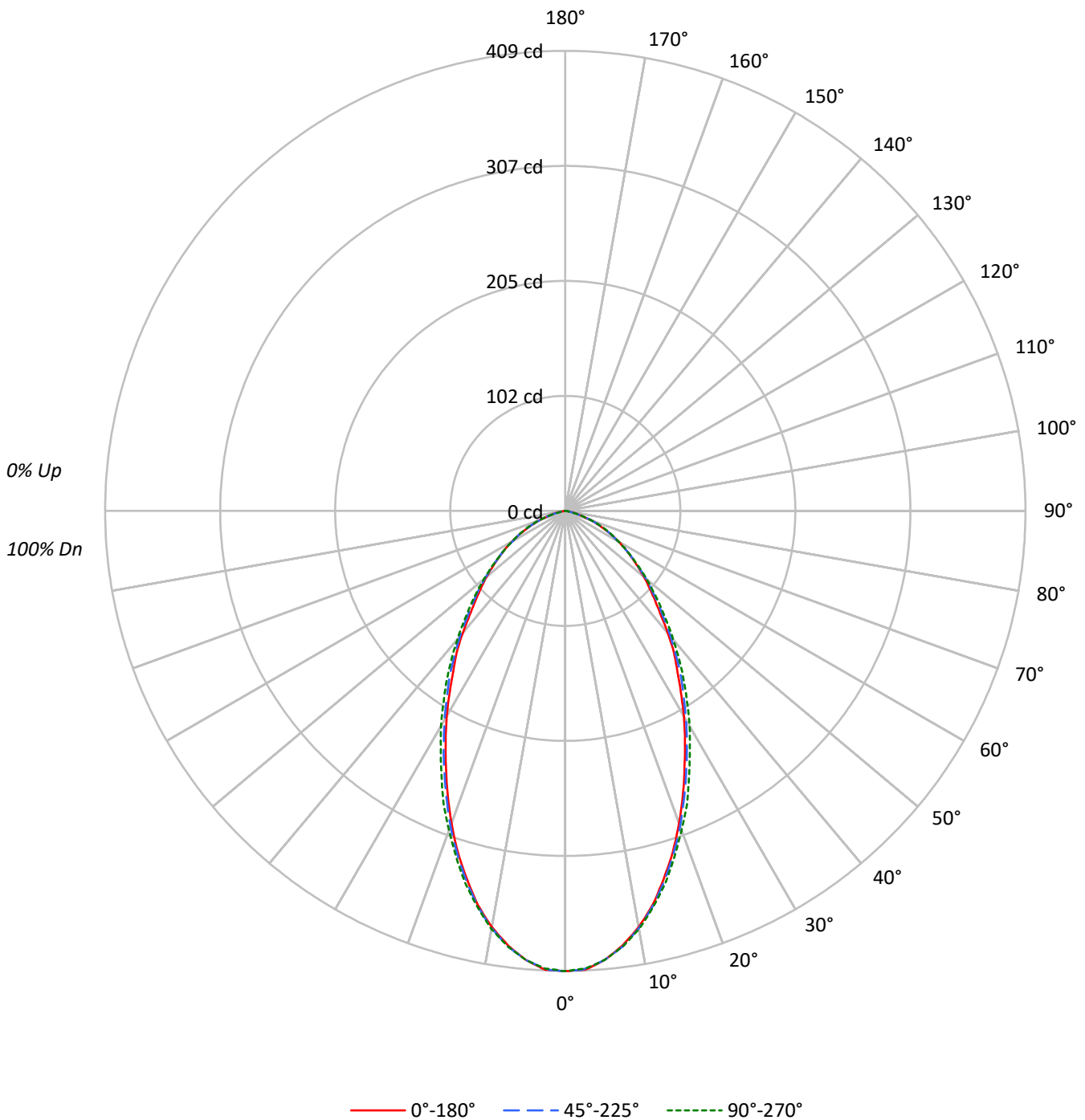
Test Method: LM-79-2019  
Report Number: P1445649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709024DE010 E3LDWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LDWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 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): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	89730	89730	89730
5°	88223	88223	88223
10°	83655	83855	84055
15°	76822	77254	77867
20°	68956	69609	70473
25°	60681	61576	62931
30°	53350	54287	55933
35°	46418	47917	49148
40°	40562	41621	42709
45°	34980	36128	36996
50°	31180	31794	32135
55°	27449	27794	27794
60°	24121	23726	24121
65°	19821	20339	20806
70°	15515	15515	16157
75°	10252	9489	9489
80°	5935	4672	3536
85°	2264	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 36996 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	6.6
10°-20°	95.0	16.7
20°-30°	117.2	20.6
30°-40°	111.7	19.6
40°-50°	90.4	15.9
50°-60°	65.1	11.4
60°-70°	39.0	6.8
70°-80°	13.1	2.3
80°-90°	1.1	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
0°-30°	249.7	43.8
0°-40°	361.4	63.4
0°-60°	516.9	90.7
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	401	401	401	401	401	37
15°	338	339	340	341	343	95
25°	251	252	254	258	260	115
35°	173	175	179	182	184	109
45°	113	114	116	119	119	88
55°	72	72	73	73	73	65
65°	38	39	39	40	40	38
75°	12	12	11	11	11	14
85°	1	1	0	0	0	2
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°	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2
2°	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	408.3	407.4
2.5°	408.3	407.4	407.4	407.4	407.4	407.4	407.4	407.4	407.4	408.3	407.4
5°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	401.8	400.8	400.8
7.5°	389.7	389.7	389.7	389.7	390.6	390.6	390.6	390.6	391.5	391.5	390.6
10°	375.7	375.7	375.7	375.7	376.6	376.6	377.5	376.6	376.6	377.5	377.5
12.5°	358.9	358.0	358.0	358.0	358.9	359.8	359.8	359.8	360.8	360.8	360.8
15°	338.4	338.4	338.4	339.3	339.3	340.3	341.2	341.2	342.1	342.1	343.0
17.5°	317.9	317.9	316.9	317.9	318.8	319.7	320.7	321.6	322.5	322.5	322.5
20°	295.5	294.6	295.5	296.4	297.4	298.3	299.2	301.1	302.0	302.0	302.0
22.5°	273.1	272.2	273.1	274.1	275.0	275.9	278.7	279.7	280.6	280.6	282.5
25°	250.8	250.8	251.7	252.6	253.6	254.5	256.4	258.2	259.2	260.1	260.1
27.5°	230.3	230.3	230.3	230.3	232.1	234.0	235.8	237.7	238.6	239.6	239.6
30°	210.7	209.7	209.7	210.7	212.5	214.4	216.3	218.1	219.1	220.0	220.9
32.5°	191.1	191.1	191.1	192.0	193.0	195.8	197.6	198.6	200.4	201.4	201.4
35°	173.4	173.4	173.4	175.3	177.1	179.0	179.9	181.8	183.6	183.6	183.6
37.5°	158.5	159.4	161.3	160.3	160.3	161.3	162.2	164.1	165.9	165.9	165.9
40°	141.7	142.6	143.6	142.6	143.6	145.4	146.4	147.3	148.2	149.2	149.2
42.5°	125.8	125.8	125.8	126.8	128.6	129.6	131.4	132.4	133.3	133.3	133.3
45°	112.8	112.8	113.7	114.7	115.6	116.5	117.5	118.4	119.3	119.3	119.3
47.5°	101.6	101.6	102.5	102.5	103.5	104.4	105.3	105.3	106.3	107.2	106.3
50°	91.4	91.4	91.4	92.3	92.3	93.2	93.2	94.2	94.2	94.2	94.2
52.5°	81.1	81.1	81.1	81.1	82.0	82.0	82.0	83.0	83.0	83.0	83.0
55°	71.8	71.8	71.8	71.8	71.8	72.7	72.7	72.7	72.7	72.7	72.7
57.5°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
60°	55.0	55.0	55.0	55.0	55.0	54.1	55.0	55.0	55.0	55.0	55.0
62.5°	46.6	46.6	46.6	46.6	46.6	46.6	46.6	47.5	47.5	47.5	47.5
65°	38.2	39.2	39.2	39.2	39.2	39.2	39.2	40.1	40.1	40.1	40.1
67.5°	30.8	31.7	31.7	31.7	31.7	31.7	31.7	31.7	32.6	32.6	32.6
70°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	25.2
72.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.7	17.7	17.7
75°	12.1	12.1	12.1	12.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2
77.5°	8.4	8.4	8.4	7.5	7.5	6.5	6.5	6.5	6.5	6.5	5.6
80°	4.7	4.7	4.7	4.7	4.7	3.7	3.7	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	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)