

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: P1292984

Luminaire Tested: P3AS09R35W2N902750DE010 E3PHLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

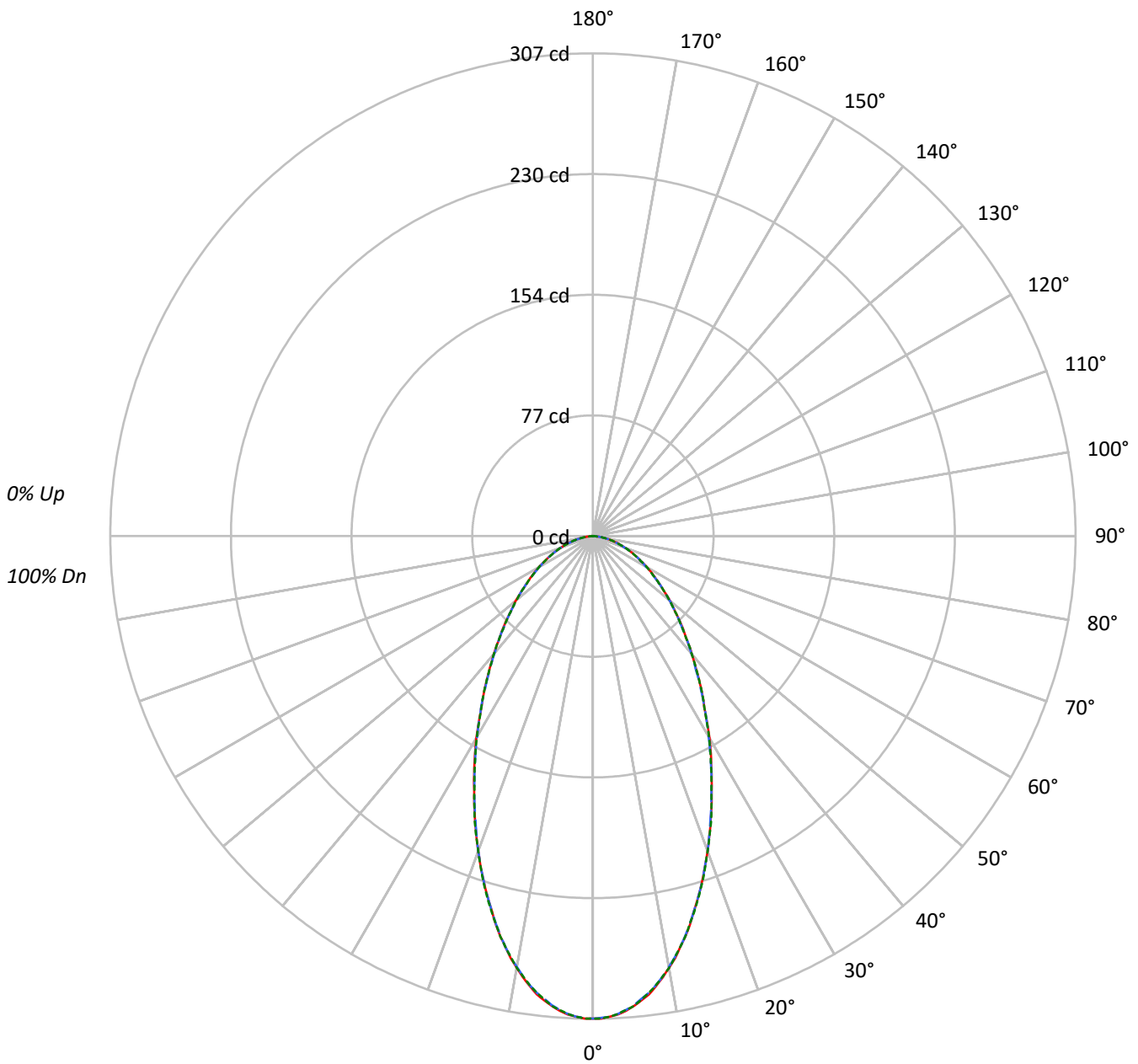
Test Method: LM-79-2019  
Report Number: P1292984  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R35W2N902750DE010 E3PHLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 410.0 lumens  
Efficiency: N/A  
Efficacy: 45.6 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

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

	0°	45°	90°
0°	67297	67297	67297
5°	66035	65925	66035
10°	62101	61967	62101
15°	56209	56209	56345
20°	49751	49751	49751
25°	43261	43140	43140
30°	37525	37246	37373
35°	32284	32150	32284
40°	28024	27881	28024
45°	24623	24437	24437
50°	21833	21662	21662
55°	19230	19230	19230
60°	17411	17192	17411
65°	15670	15670	15670
70°	13913	13913	13913
75°	12539	12115	12539
80°	10734	10734	10734
85°	6542	6542	6542

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24623 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.9	6.8
10°-20°	69.1	16.8
20°-30°	82.1	20.0
30°-40°	75.4	18.4
40°-50°	61.2	14.9
50°-60°	45.3	11.1
60°-70°	30.0	7.3
70°-80°	15.5	3.8
80°-90°	3.5	0.8
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°	179.1	43.7
0°-40°	254.5	62.1
0°-60°	361.0	88.1
0°-90°	410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	300	300	300	300	300	28
15°	248	248	248	248	248	69
25°	179	178	178	179	178	82
35°	121	120	120	121	121	76
45°	79	79	79	79	79	61
55°	50	50	50	50	50	45
65°	30	30	30	30	30	30
75°	15	15	14	15	15	16
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	306.9	306.9	306.9	306.9	306.9
1°	306.9	306.4	306.4	306.4	306.9
2°	305.8	305.8	305.8	305.8	305.8
3°	304.8	304.3	304.3	304.3	304.3
4°	302.7	302.1	302.1	302.1	302.1
5°	300.0	299.5	299.5	299.5	300.0
6°	296.8	296.3	295.8	295.8	296.3
7°	293.7	292.6	292.6	292.6	292.6
8°	288.9	288.4	288.4	288.4	288.4
9°	284.1	283.1	283.6	283.6	283.6
10°	278.9	278.3	278.3	278.3	278.9
11°	273.6	273.0	273.0	272.5	273.0
12°	267.2	267.2	267.2	267.2	267.2
13°	261.4	260.9	260.9	260.9	261.4
14°	255.0	254.5	254.5	254.5	254.5
15°	247.6	247.6	247.6	247.6	248.2
17.5°	230.7	230.2	230.7	230.7	231.2
20°	213.2	212.7	213.2	213.2	213.2
22.5°	195.8	195.8	195.3	195.8	196.3
25°	178.8	178.3	178.3	178.8	178.3
27.5°	163.0	162.4	162.4	162.4	162.4
30°	148.2	147.1	147.1	147.6	147.6
32.5°	132.8	132.8	133.3	132.8	132.8
35°	120.6	120.1	120.1	120.6	120.6
37.5°	108.5	107.9	107.9	108.5	108.5
40°	97.9	97.9	97.4	97.9	97.9
42.5°	87.8	87.8	87.8	87.8	87.8
45°	79.4	78.8	78.8	78.8	78.8
47.5°	70.9	70.9	70.9	70.4	70.9
50°	64.0	63.5	63.5	63.5	63.5
52.5°	56.6	56.6	56.6	56.6	56.6
55°	50.3	50.3	50.3	50.3	50.3
57.5°	45.0	44.4	44.4	44.4	44.4
60°	39.7	39.7	39.2	39.7	39.7
62.5°	34.4	34.4	34.4	34.4	34.4
65°	30.2	30.2	30.2	30.2	30.2
67.5°	25.9	25.9	25.9	25.9	25.9
70°	21.7	21.7	21.7	21.7	21.7
72.5°	18.5	18.0	18.0	18.0	18.0
75°	14.8	14.8	14.3	14.8	14.8
77.5°	11.1	11.1	11.1	11.1	11.1
80°	8.5	8.5	8.5	7.9	8.5
82.5°	5.3	5.3	5.3	5.3	5.3
85°	2.6	2.6	2.6	2.6	2.6
87.5°	0.5	0.5	0.5	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)