

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: P1293151

Luminaire Tested: P3A09R35W2N902765DE010 E3PHLD1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

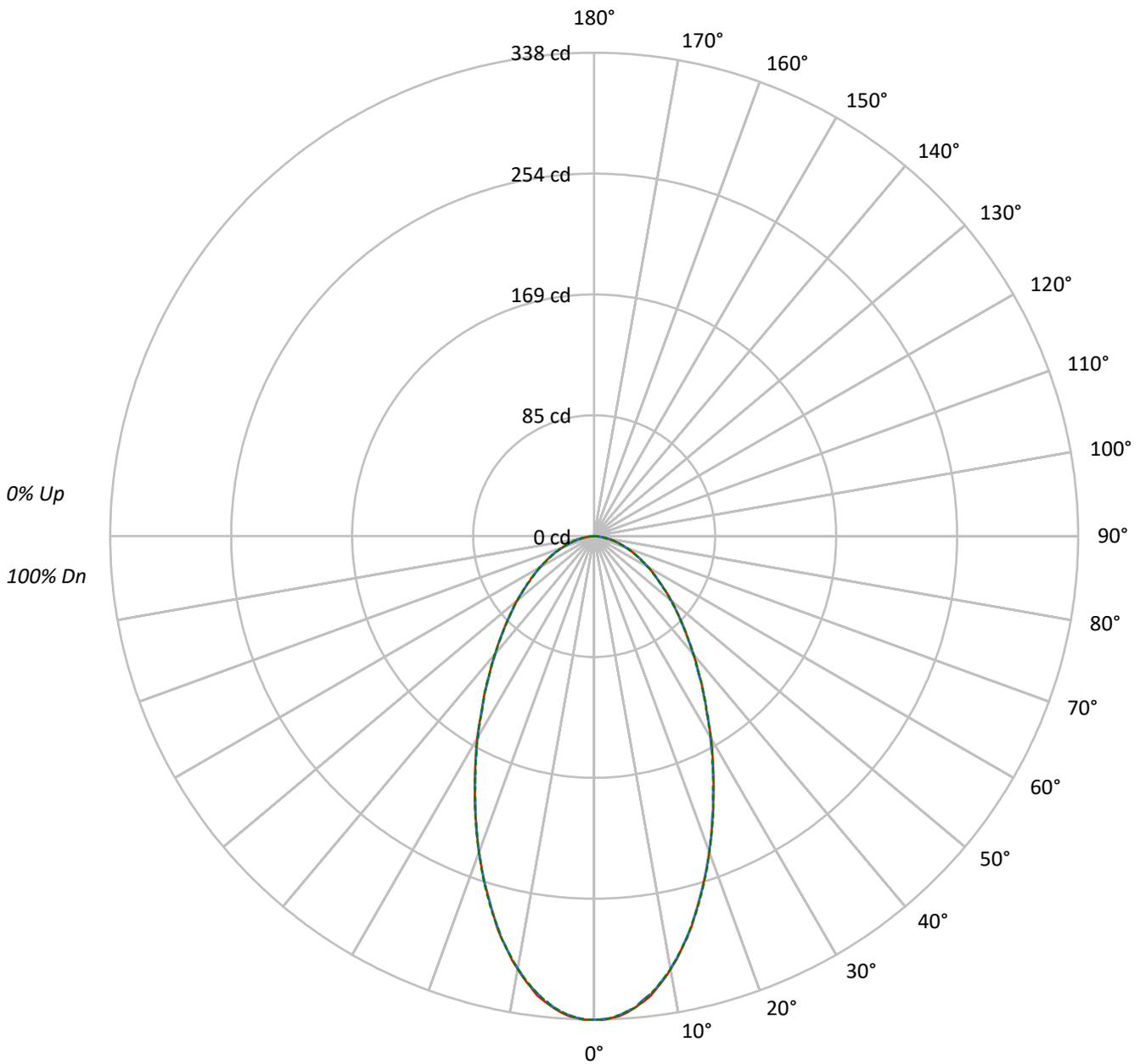
Test Method: LM-79-2019  
Report Number: P1293151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R35W2N902765DE010 E3PHLD1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 452.0 lumens  
Efficiency: N/A  
Efficacy: 50.2 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

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

	0°	45°	90°
0°	74183	74183	74183
5°	72815	72683	72815
10°	68447	68313	68447
15°	61975	61975	62112
20°	54861	54861	54861
25°	47712	47567	47567
30°	41348	41070	41222
35°	35603	35442	35603
40°	30886	30715	30886
45°	27135	26949	26949
50°	24084	23880	23880
55°	21180	21180	21180
60°	19209	18946	19209
65°	17278	17278	17278
70°	15323	15323	15323
75°	13810	13386	13810
80°	11744	11744	11744
85°	7296	7296	7296

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 27135 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.8	6.8
10°-20°	76.2	16.8
20°-30°	90.5	20.0
30°-40°	83.1	18.4
40°-50°	67.5	14.9
50°-60°	50.0	11.1
60°-70°	33.0	7.3
70°-80°	17.1	3.8
80°-90°	3.8	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°	197.4	43.7
0°-40°	280.6	62.1
0°-60°	398.0	88.1
0°-90°	452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	331	330	330	330	331	31
15°	273	273	273	273	274	76
25°	197	197	197	197	197	91
35°	133	132	132	133	133	83
45°	88	87	87	87	87	68
55°	55	55	55	55	55	50
65°	33	33	33	33	33	33
75°	16	16	16	16	16	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	338.3	338.3	338.3	338.3	338.3
1°	338.3	337.8	337.8	337.8	338.3
2°	337.2	337.2	337.2	337.2	337.2
3°	336.0	335.4	335.4	335.4	335.4
4°	333.7	333.1	333.1	333.1	333.1
5°	330.8	330.2	330.2	330.2	330.8
6°	327.3	326.7	326.1	326.1	326.7
7°	323.8	322.6	322.6	322.6	322.6
8°	318.5	317.9	317.9	317.9	317.9
9°	313.3	312.1	312.7	312.7	312.7
10°	307.4	306.8	306.8	306.8	307.4
11°	301.6	301.0	301.0	300.4	301.0
12°	294.6	294.6	294.6	294.6	294.6
13°	288.2	287.6	287.6	287.6	288.2
14°	281.2	280.6	280.6	280.6	280.6
15°	273.0	273.0	273.0	273.0	273.6
17.5°	254.3	253.8	254.3	254.3	254.9
20°	235.1	234.5	235.1	235.1	235.1
22.5°	215.8	215.8	215.3	215.8	216.4
25°	197.2	196.6	196.6	197.2	196.6
27.5°	179.7	179.1	179.1	179.1	179.1
30°	163.3	162.2	162.2	162.8	162.8
32.5°	146.4	146.4	147.0	146.4	146.4
35°	133.0	132.4	132.4	133.0	133.0
37.5°	119.6	119.0	119.0	119.6	119.6
40°	107.9	107.9	107.3	107.9	107.9
42.5°	96.8	96.8	96.8	96.8	96.8
45°	87.5	86.9	86.9	86.9	86.9
47.5°	78.2	78.2	78.2	77.6	78.2
50°	70.6	70.0	70.0	70.0	70.0
52.5°	62.4	62.4	62.4	62.4	62.4
55°	55.4	55.4	55.4	55.4	55.4
57.5°	49.6	49.0	49.0	49.0	49.0
60°	43.8	43.8	43.2	43.8	43.8
62.5°	37.9	37.9	37.9	37.9	37.9
65°	33.3	33.3	33.3	33.3	33.3
67.5°	28.6	28.6	28.6	28.6	28.6
70°	23.9	23.9	23.9	23.9	23.9
72.5°	20.4	19.8	19.8	19.8	19.8
75°	16.3	16.3	15.8	16.3	16.3
77.5°	12.3	12.3	12.3	12.3	12.3
80°	9.3	9.3	9.3	8.8	9.3
82.5°	5.8	5.8	5.8	5.8	5.8
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2



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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)